PDF !

" # 1

$ % & ' ( ) * + , - . / 5
1.1 ! " # $ 5
1.2 % & ' ( ) * + , - 7
1.3 ' (% 8
1.4 . / 0 1 % 2 3 11

0 1 2 3 4 12
2.1 4 / 5 6 12
2.2 7 8 9 : ; < = > ; ? @ A B C 12
2.3 7 8 D E F G 14
2.4 7 8 H I J K L M 14
2.5 N O * P 15
2.6 7 8 Q R B C 16
2.6.1 : S T U V W X R Y < Q R B C Z 17
2.6.2 [V W < R Y \ ] Q R B C Z 18
2.7 Q R ^ O < _ ` a b B C 19
2.8 7 8 ; W / E c ? d e T M 20
2.9 7 8 f g 5 6 21
2.10 7 8 h i L M 22
2.11 j k l m M n o " 23

5 6 7 " 8 9 : 25
3.1 h i 4 p < q r 25
3.2 s 8 h i 25
3.3 t u ? v w X * + < x t 27
3.4 H I J K 28
3.5 y z ? v w 28
3.6 { | K } K ~ • < } 29
3.7 M 29

; < = 6 7 > ? 32
4.1 = > ; < 9 : ; D 32
4.2 = > ; / ; / ; 1 33
4.3 = > ; ? 7 8 33
4.3.1 [ ]% 7 8 33
4.3.2 % & 7 8 34

4.4

K L M 84
8.1 r 84
8.2 84
8.2.1 ? 7 8 84
8.2.2 r o " ? j k 86
8.2.3 7 8 D 87
8.2.4 7 8 88
8.3 r 89
8.4 7 8 93
8.4.1 93
8.4.2 95

N 6 7 O P > ? 99
9.1 D 99
9.2 D 101
9.3 7 8 D Z 104
9.4) \ ] 107
9.4.1 M n o " \ ] 108
9.4.2 D M n \ ] 109
9.5 : ? D 110
9.6 112
9.6.1 M 112
9.6.1.1 = > 113
9.6.1.2 9

6 7 . 9 2 . (c T 4 2 . 9 D l T 1 1 0 2 8 P X j F

11.1.4 o " 138
11.1.5 o " 2 3 l M n 139
11.2 o " 141
11.2.1 f S / 3 142
11.3 o " 143
11.4 M n 1 44
11.4.1 M ? 7 8 145
11.4.2 M n 146
11.4.3 S M n 147
11.4.4 q i 2 3 149

Q 0 W X Y Z [..... 152
12.1 = i 152
12.2 = i 152
12.3 { | K 153
12.4) ? 9 : W / 2C 1 153
12.5 & f g 155
12.6 & /i ; 1 < & 7 155
12.7 ? 157
12.8 O i 158
12.9 h i L M / K 1 158
12.10) I O ? > W 159
12.11 J K D E 160
12.12 y z 161
12.13 H I K 5 " 161

Q 5 \ ] R G 162

Q ; ^) 165

_ ^ ! A ` 166
1. M n 3 166
2. M n 3 168
3. l m 3 169
4. = > 169
5. 9 : 170

_ ^ ! B ` a b c d e f G H 171
1. 171
2. \ ] 172

_ ^ ！ C ` 178
1. NTS h ? M n 3 178
E c 1mm 2 3 ? M n 3 178
E c 0.1mm 2 3 ? M n 3 179
2. 3 180
3. h) \ ] 6 ? 181
D 2 3 < D 2 3 g S D M n ? 181
B D 2 3 ? 182

" #

L NTS-380R h

NTS-380R h

NTS-380R NTS-380R4 NTS-380R6 NTS-380R8 NTS-380R10 N10

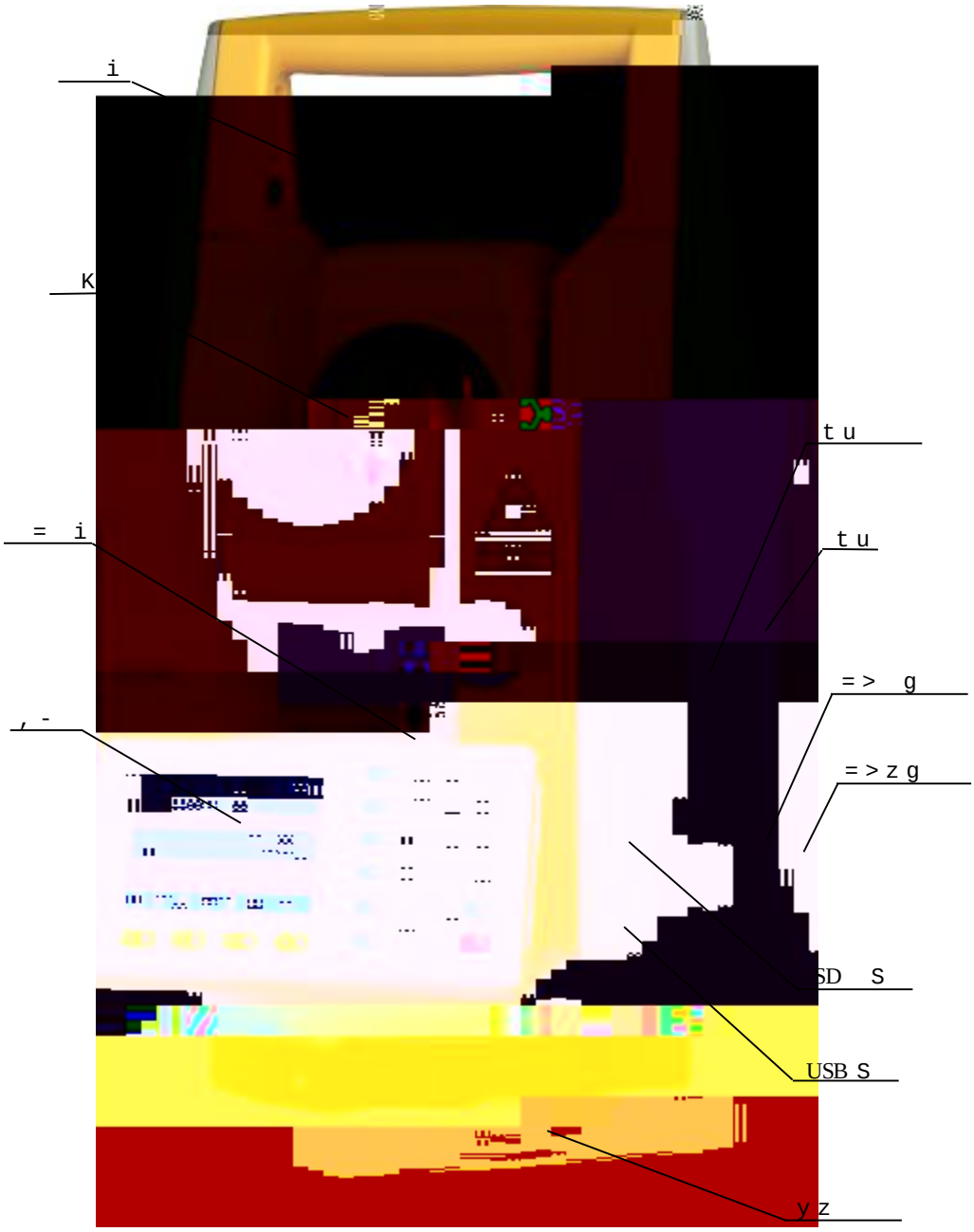


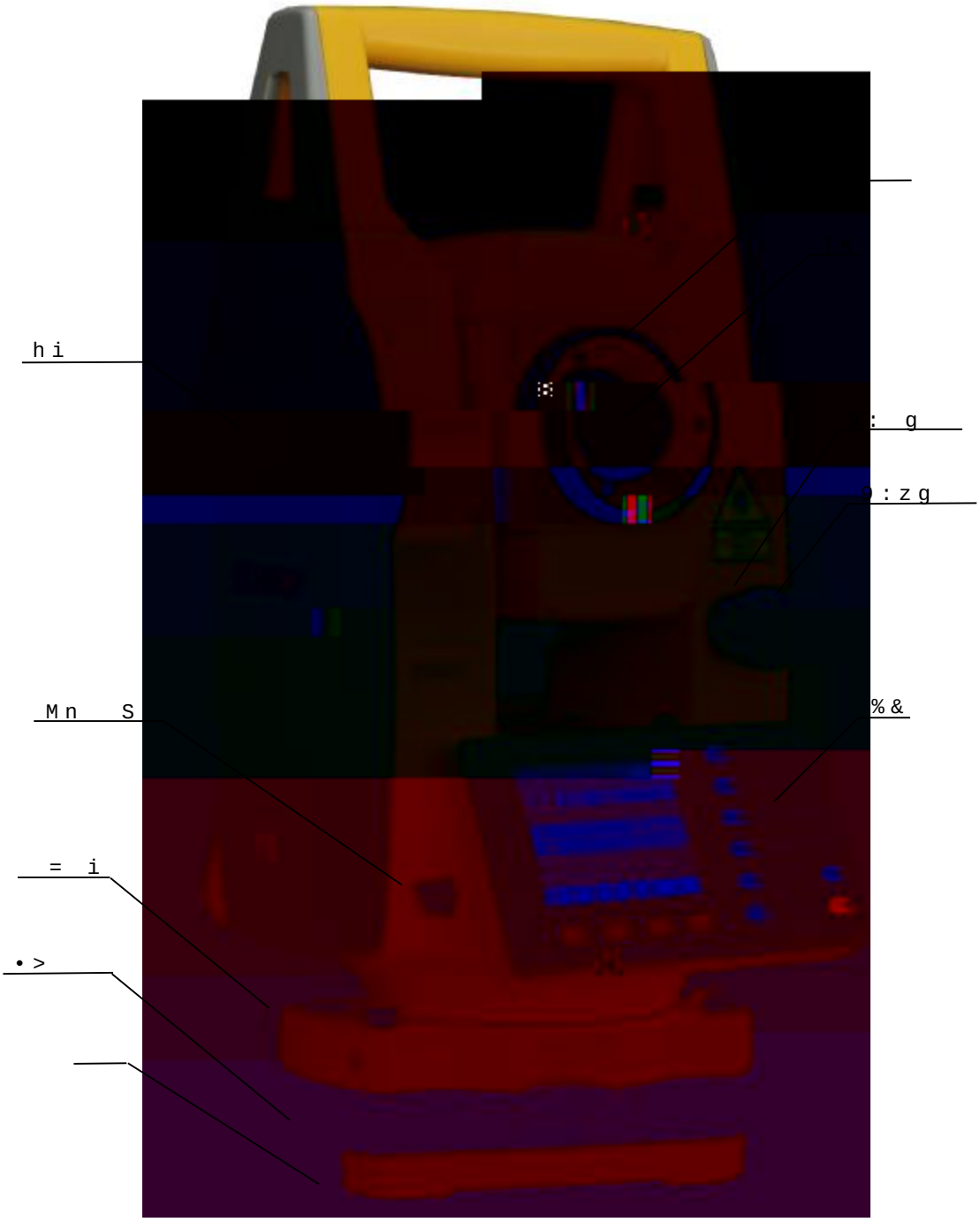
b 7 O
c : * k s t : O O h i O
d * O k ? ? O O
(E c*) 7 k g p O
e O ? p 7 8 " k ?
f O ~ S q r y ? k
g : * O) I > K X C D Z X : e > K X
K ? Z
* E c r O F 2 O k ? d Q E c

9 2 Class 3R / **, a ( ) & 8 % 4 6 A % : ; < 2 = A B 1** 1000m(3300ft) **< > ? A B @ A < ( ) B = C D E** Class 1(**F G H I) J s K L M N =**)**O**

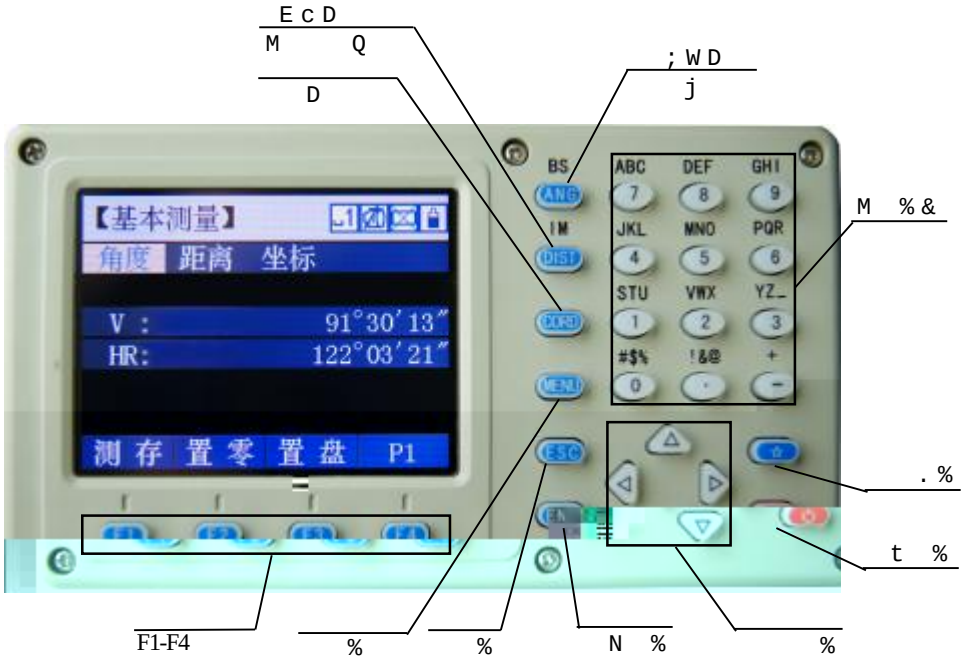
$ P % & ' ( ) * + , - . /

1.1 ! " # $




h i
: g
9 : z g
M n S
%&
= i
• >
11

1.2 %&'()*+,-



QRST

%	# $	' (
ANG	;WD %	;WD 23( )
DIST	EcD %	EcD 23(Q M /)
CORD	D %	D 23
MENU	%	23
ENT	N %	fyMn q Mn
ESC	%	U c N c ,- c 23
⏻	t %	t ?4/5
F1 F4	%	'(,-?*+
0 9	M %	M < jU g
U -	jP%	jPXeM XC P
★	. %	hi.%L '(?

VWSTh

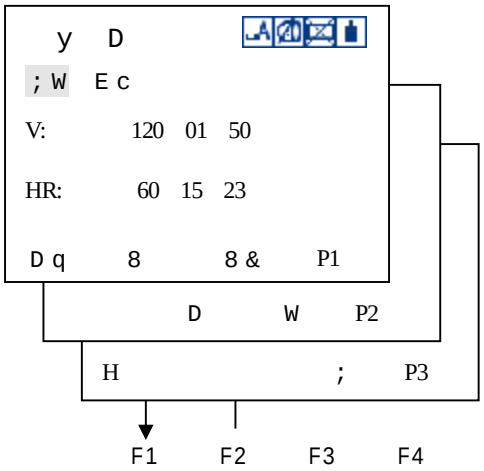
,-jP	
V%	9:;(W,-)
HR	=>;(;)

HR	= > ; (;)
HD	= > E c
VD	
SD	A E
N	
E Z	
m	
ft	
)	

fi

1.3 ' (%

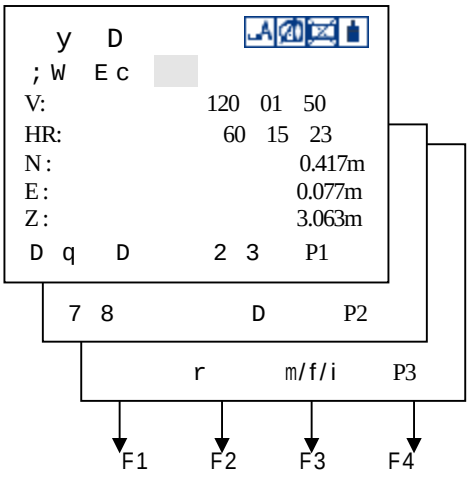
; W D 2 3 ( )



M	%	, - j P	' (
1 (P1)	F1	D q	g ; W D D M n ? o " (D o " < o " M n ' (j)
	F2	8	= > ; 8
	F3	8 &	% & 7 8 = > ;
	F4	P1	, - 2 % ' (
2 (P2)	F1		= > ; T M
	F2	D	= > ; D
	F3	W	9 : ; / W ? Q
	F4	P2	, - 3 % ' (
	F1	H	h i g 2 = > ; 0 90 180 270 r ? 7 8

3	F2	= > ; ; / ; ?
(P3)	F3	

D 23( )



M	%	, - j P	' (
1 (P1)	F1	D q	g D D Mn ?o" (D o"< o" Mn '(j)
	F2	D	g D
	F3	2 3	7 8 D E 2 3 D/N D/ D/ ? , 7 8 H I F G < J K L M
	F4	P1	, - 2 % ' (
2 (P2)	F1	7 8	7 8 } <h i
	F2		7 8 ?
	F3	D	7 8 D ?
	F4	P2	, - 3 % ' (
3 (P3)	F1		D 2 3
	F2	r	r 2 3
	F3	m/f/i	7 8 E c / /
	F4	P3	, - 1 % ' (

1.4 .(/) %01

(0)% ",-

[.%(0) hi78
1X# $ [◀] [▶]% ~% K&# $?'W
2X

0<1234

2.1 2/34

% ,-

4t hi,- - -



[POWER] . SD hi SD D

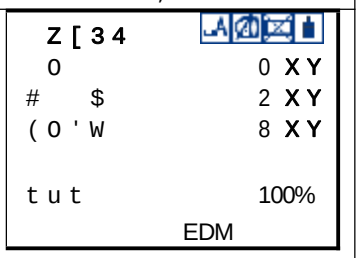
SD . S

y D

D U fg D 23

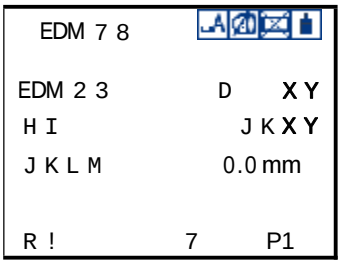
4 BC9:; < @A =>;? g6
|-+ 6 , p 0•>hi
BC9:; 9:; 6 9 |-
51 i51
8 hi' : a R,9:;,- r : ?, ;
i 51 <gEF? i6 ,hi|-= *+3 >
D

[ ] "78@ABC

	%	,-
.(0)%23	[0]	
[F2]%, 78'(	[F2]	
?.hi@A6 BC •>hi +3.2Xs8hi, @A? B C ,- -,- D1) 9:; 4 9:;<=>;		

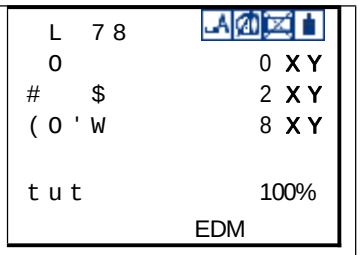
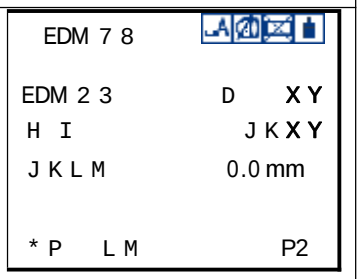
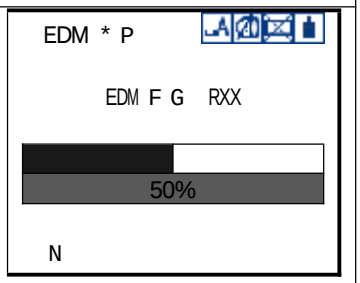
E [F2](78)

1 [0] [F3] .%(0)23 [F3]%



EDM 78 78

2 [L] [L]% g, JKLM? MO
[◀ ▶]%~% JK23 P
78JKLM

1	[0]	.%23	
2	[F3] [F4]	[F3](M)% M78 [F4]/P11	
3	[F1]	[F1]/*P1 ,-HI O? W(*P) hiS ? O W TZ-Z " Z- D1)	
D1) [ESC]% N.%23			

2.6 560P@A

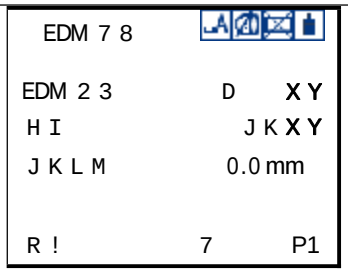
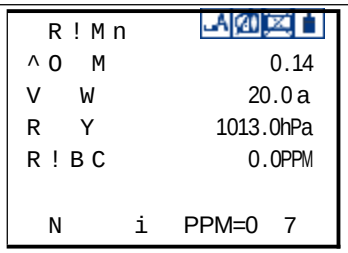
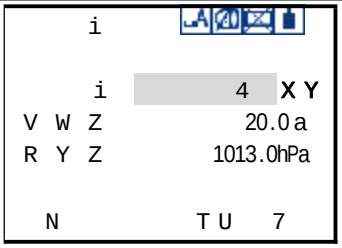
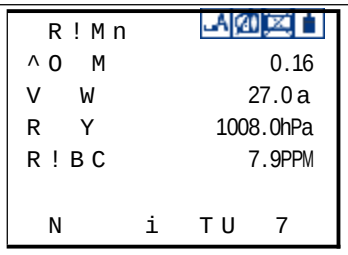
EcD EcZ D QRT"? !
[QRT"? ! EcD R!BC M BC
VW hi ?\RVW
RY hi ?QRY
PPMZ \]< D?R!BC
8NTS h R!T"(hiR!BCZ 0 ?R!T")
RY 1013hPa
VW 20]C
8QRBC?\]
^S =278.44 _ 0.294922 P / (1 + 0.003661T)(ppm)

3
^S

P R Y (hPa)
. ? R Y r mmHg 1hPa = 0.75mmHg]
T V W ( ]C)

2.6.1 *8 Q R S T U V P W : O P @ A X*

i D V W < R Y P h i n B C ` 3 Q R B C Z (PPM)

	%		, -
1	[0] [F3]	. % 2 3 [F3](EDM) %	
2	[F1]	[F1] % (R !) R ! M n 7 8	
3	[F2] [◀ ▶] [F3]	[F2] % (i) i 7 8 , i & [◀ ▶] % j k i 4 [F3] % (T U) " , - V W < R Y Z	
3	[F4]	[F4] (7) " N R ! M n h i ! f g \ ] PPM Z D1)	

D1) i 4 R!Mn [F3] 8,- +TU, [F3]% fgbU
34?VWXRY<R!BCZ

2.6.2 YTU:PWZ[OP@A

0D D ?VW<RY VW+25a RY 1017.5

	%		,-
1	[0]	.%23	L 78 O 0 XY # $ 2 XY (O'W 8 XY tut 100% EDM
2	[F3]	[F3](EDM)% EDM 78'(.	EDM 78 EDM 23 D XY HI JK XY JKLM 0.0mm R! 7 P1
3	[F1] [F4]	[F1](R!)% R!Mn VW <RY n ?VW<RY \] PPMZ D1) 78 ENT 5 [F4](7)% " N EDM 78	R!Mn ^O M 0.15 V W 20.0a R Y 1013.0hPa R!BC 1.0PPM N i PPM=0 7
(	D1) i 51 (g VW<RY \]PPMZ H +3.7 M ? , VW -99.9 +99.9a (0.1a) -99.9 +99.9c(0.1c) RY 0 1066hPa(0.1hPa) 0 1066mmHg(0.1 mmHg) 0 1066inHg(0.1 inHg) V n ?VW<RY] ?QRBCZ6 d999.9ppm N 2 Mn		

2.7 OP\M:]^_ `@A

hi >ED < D QR^O<_`ab? ! fgBC
QR^O<_`ab?BC ?`3\]

\q[]8^Ah

D=S * [cose+ sine* S * cose(K-2) / 2Re]

\q[]8_`h

H= S * [sine + cose* S * cose(1-K) / 2Re]

asnobcd)efghiq[,jab^Ae_`8k?l:

D=S cose

H=S sine

?mh

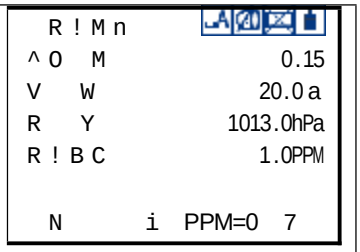
K=0.14 f f f f f f f f f f f QR^O M

Re=6370 km f f f f f f f f f f _`abgh

e(i) f f f f f f f f f f f => F]? ;(9:;)

S f f f f f f f f f f f f f AE

	%		, -
1	[0]	.%23	L 78 O 0 XY # $ 2 XY (O'W 8 XY tut 100% EDM
2	[F3]	[F3](EDM)% EDM 78'(.	EDM 78 EDM 23 D XY HI JK XY JKLM 0.0mm R! 7 P1

3	[F1] [F4]	[F1](R!)% R!Mn ^O M D1) 78 ENT 5 [F4](7)% " N EDM 78	
(	D1) H +3.7 M ? , hi?QR^O M j .78 K=0.14 KZ 0.0 0.2 j		

2.8 5 6 9 U/ C a = b c R K

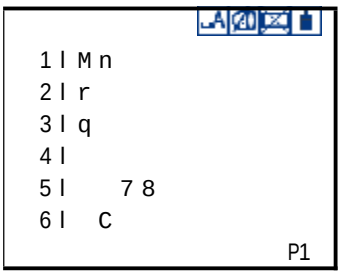
deTM?78, jk;W/EcD ?,-

hiFG	;W	Ec
NTS-380R	1 /5 /10 /0.1	1mm /0.1mm

[ ];WdeTM 0.1

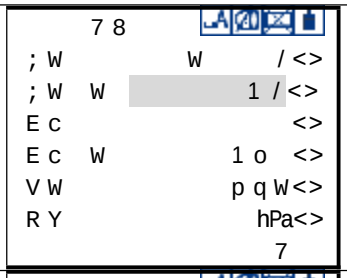
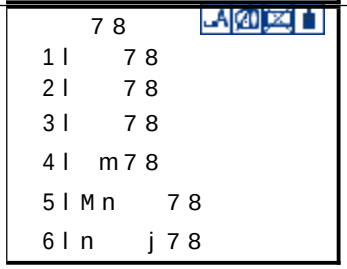
% ,-

[MENU]%, k 5 M %[5]([MENU]
78) [5]



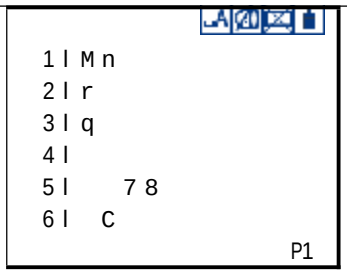
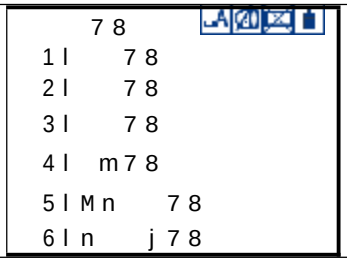
78

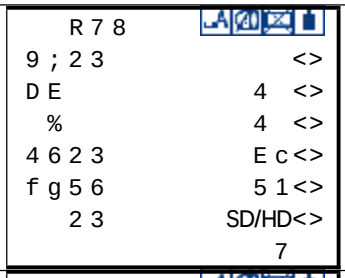
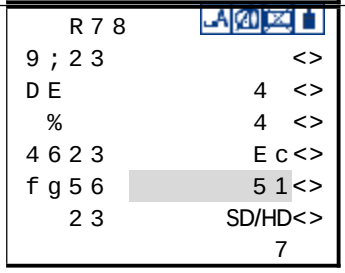
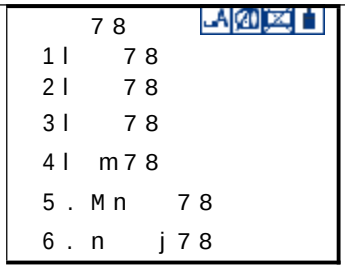
[1]%(78) [1]

? [K L]%jk78;W Wjg [◀ ▶]%~%, [F4](7)	% [F4]	
E " N 78		

2.9 56de34

V7 0 % C ?D hi fg56

	%	, -
[MENU]%, k ,5 M %[5](78)	[MENU] [5]	
78		

? [4]%(R78)	[4]	
E [◀ ▶]% fg56 7 10 0/20 0/30 0/51 jk P 5 [F4](7)%	[F4]	
r " N m78		

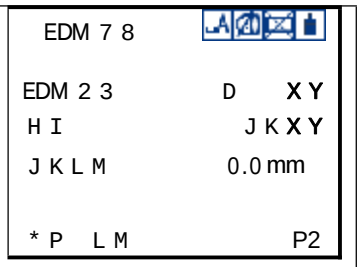
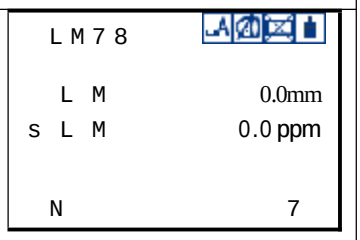
2.10 *56fgJK*

12.9+hi LM,? hiLMZ hiLM78?

% ,-

L 78

[0]% k , [F3]%, /EDM17 [0]
[F3]
8

[EDM] 7 8 [F4](P1) % P [L M]j g [F2](L M)%	[P1] [F2]	
? [L M 7 8] [L M]<[s L M] 7 8 7 8 U [F4] 7 % N [EDM] 7 8	L M [F4]	
D1) H +3.7 M ? , D2) [ESC] % U 7 8		

! " #

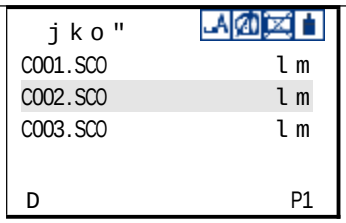
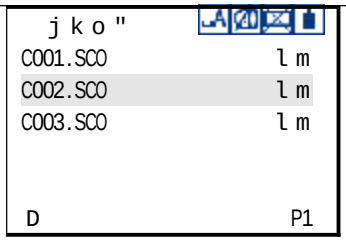
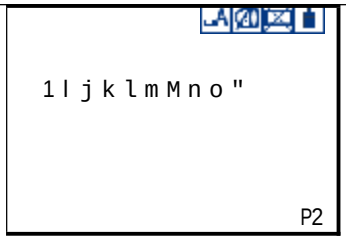
$ % & ' ( ) * + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B 3 4 C D 7 8 - .
/ & 0 1 (D) E F G H I J K L M 0 N O 0 1) P ? Q R S 3 4 , 6 T U V A B 3 4 C

2.11 h i j k K l m "

% , -

[MENU] % k [F4](P1) % , - k
, 5 M [1] %

[MENU]
[F4]
[1]

<table>
<tr>
<td>? [F1](~)% , - c j ? l m o" Z D2)</td>
<td>[F1]</td>
<td>
</td>
</tr>
<tr>
<td>E [K L]% o" Z t g j l m M n o" [◀ ▶] u</td>
<td>[K L]</td>
<td>
</td>
</tr>
<tr>
<td>r [ENT](N)% ~ o" ', N k 2/2</td>
<td>[ENT]</td>
<td>
</td>
</tr>
<tr>
<td colspan="3">D1) H +3.7 M ? ,
D2) & Z 7 H +11.1.1 q < 3 $ & ,</td>
</tr>
</table>

5 P 6 7 " 8 9 :

3.1 f g 2 n : o p

n o

_ r p v w 4 p ? x 4 p v U h i

S L

v { | K K v ! ? 9 : g y < y z ? = i w h i > z ({ | K K w) r p 9 : g y v p v , 5 x

3.2 q 6 f g

h i s v ; A f • > < D V ? W (? S ? ; A)

U p q R r h

h i s v ; A f • > < D V ? W

1 P y [s g m m Y t ^

1) A 7 ; A

{ 0 ; A 4 ; A ? | } ~ E } ~ = > •

; A ?) D } ~ ! "

? # ; A $ _ % & _

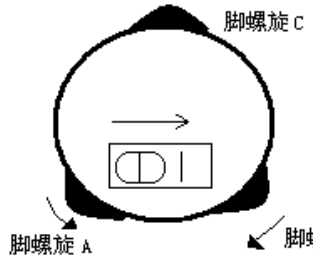
2) h i s 8 ; A

h i e _ s 8 ; A ' h i (4 S

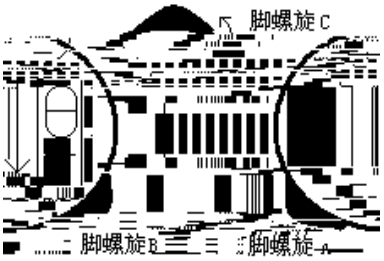
A M h i : " ` D ? P • S

3)) = i > h i

l ((((_!)>hi



h i -　　90　5　(　　C　=　i R * C



? 5　　h i 90 ,　　X　:　.　8　R * C

2 P y [ ) u m m & m m

1) A 7　; A
　　; A /　　W　f　|　X　4　　; A　} ~ = >　7　D
　? C　　; A | % &　_　　T |

2) s 8 h i <
　　h i e　_ s 8　; A　•　　S　~ • O　　i　#　$　0 H
1　4　'　(　T　? A |　　O　i ?　~ %　T | ?　8
O　i Q　D　　; A　T | i　_　~ %　h ?
　　O　i　f　D

3))　=　i　> h i
　~ •　; A　T | ?　W　　h　=　R * C

4))　=　i　> h i
　4 = >　g　　g h i　=　i >　,　　AXB ?
　AXB　=　i R * C
　h i　90 a　9 :　　AXB ?　　C　=　i * C

5)　f　) • >
　　O　i ?　　z　4　S　>　h i (　　h i)　h i
　f　D　5 •　　S　5　> h i
　　g　　2 h i　f　D

*3.3 r s = t u V * + : v r*

v w x y


t x

2 *+ tu3 4e 4. (5'. 6?
?tu xt 5

t . 7 B 8 5 tu xt

9: -- 9: ;t56Q< = > 0 tu. t 5 tu
xt

(tu ? ?U@ 34T" VWXxt <xt?
M s F |cxt x t? tu
tu)* ,-v) c?D 23 5 ;WD 23 tu)*
A (A tu EcD 23 (EcD 236t
;WD

SL~g•t h

K xttu xt300-500 tu rt I? JK
K 5 _b tu?d JK H 8xt

3.4 FGHI

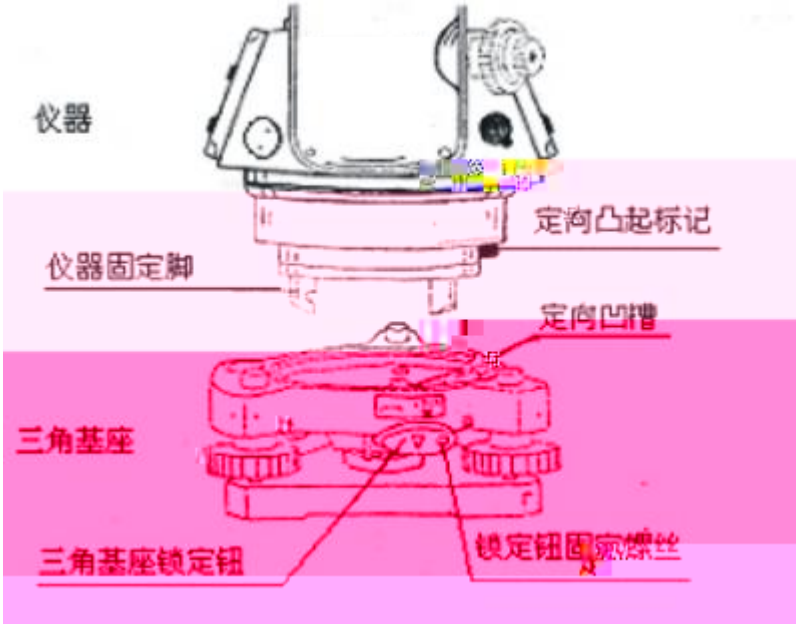
h F O D Ec } 'r8HIJK HIJK
(L)JK yz Si JK S yz s8 A :
Ss8 JK [n :f u8
DMhi`N o~?JK - -





3.5 wx=tu

!
: ;yz hi(yz?HIJKyz Si) w 0
$O 4yz $ P P Q g



! "
h i ? R) y z S h i ? r y z ?
T h i v ; y z U Q g 180 h i) y z 5 $ O
$

3.6 y z I { I | } : { ~ •

} ? (V W)
{ | K 7 ' \ } K X ~ Y H # $ (0 w f Z } K X 5
[[~ Y H \ # $) 4
) i ? ; Z ?] } s t) i 1
E c 4
?) { | K ~ Y } 0 H 1
s t } K g 7 ~ Y } K ^ O W ~
! D ? W d e ~ Y ~ % } K X

3.7 K =

NTS-380R h % & f j M % : S M < j
*# $ G %

[.] + ,
[2] +2 ,4 [0] +0 ,
[F4] 7
=>;WM 90 10 20

*#$%S

[3] Mn 23 ?D lm+SOUTH1 ,
1X [F4]%, Mn

2X Mn M %[1] 78D

3X [DIST]% Q 3 [DIST] 3 M <
Q

gh&'(mVW)%*+~,&#$G%<VW)G%+~,&#$%*O
-[ANG](./)Q<&01#$8%SO
&2#$8%*m23456%*>7$Q8<>#$-m8906%*~<
)E:;<:E<

;P<=67>?

4.1 ;<9:789B

=>; ;<9:;?D

fy' ;WD 23

} ? (V W)

{|K 7' \ }KX ~Y H# $(0wfZ }KX5

[[~YH\# $)4

) i ? ;Z ?] } st) i 1

Ec4

?) {|K~Y } 0H1

D st }K }1]£›(1) Tj/F4+1 10.44 Tf9.ðhj

4.2 ;<9(9/ 9)

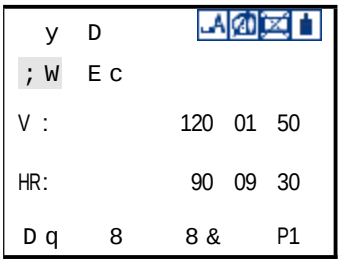
fy' ;WD 23

% ,-

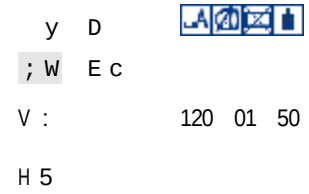
) => z g :7 8 ? => ;

, - ; W

[P1] % [P2]



[P2] , ; [ ] ' (%



} [F3](8&)%	[F3]	y D ;W Ec V: 120 01 50 HR: 90 09 30 Dq 8 8& P1
%& ?=>;TM [F4]7 % D1) 150]10 20	[F4]	8=>; =>; 150 10 20 N 7
?=>;W\78 e : ?=>; CL?D		y D ;W Ec V: 120 01 50 HR: 150 10 20 Dq 8 8& P1

4.4 789)?`(%)=

fy' ;WD 23

% ,-

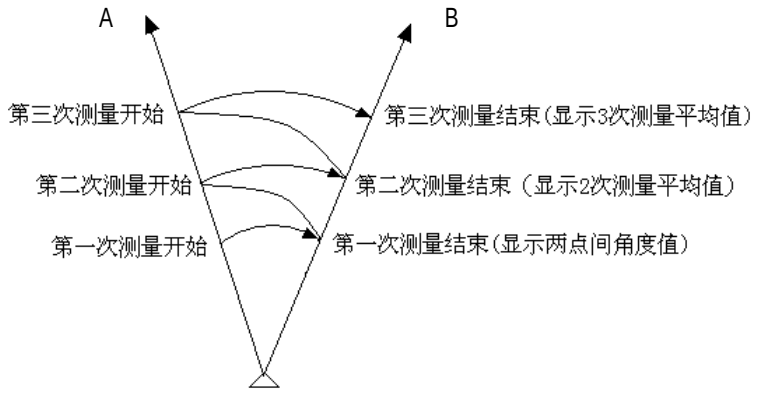
y D

① [F4]u %[P1] [P2] [F4]

[F3](W)% D1)	[F3]	y D ;W E c V : -57.84% HR: 120 09 30 D W u
D1) [F3](W)% ,-23 dQ WS}90](fQ) ,- |-+6 ,(6 D)		

4.5 9U B

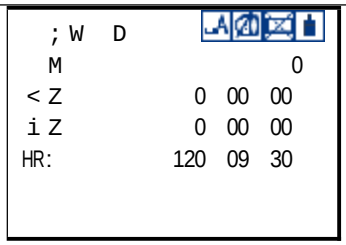
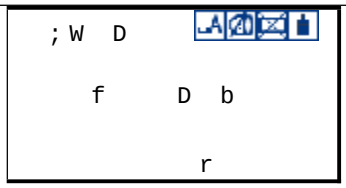
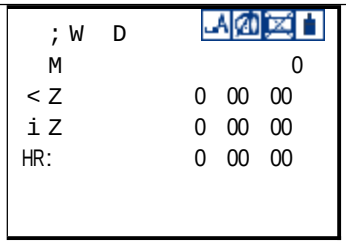
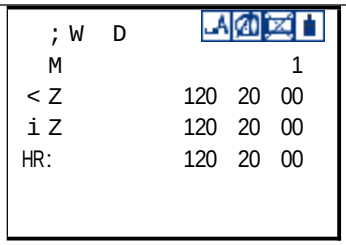
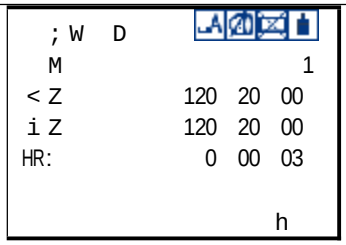
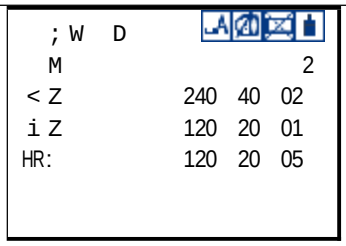
=>;(;)D 23 ;W D
fy' =>;(;)D 23



% ,-

y D

[P1]% [P2]'([F4]

[F2](D)% ;W D23	[F2]	
? } A [F1]( )%	} A [F1]	
E [F3](f)% D'(	[F3]	
r => g<zg } B [F4]( )%	} B [F4]	
g => g<zg 5 } A [F4](h)%	} A [F4]	
i => g<zg 5 } B [F4]( )%	} B [F4]	

<table>
<tr>
<td>j g i : : ? D
M 6 D1) D2)</td>
<td></td>
<td>; W D
M 6
< Z 722 00 06
i Z 120 20 01
HR: 120 20 00
h</td>
</tr>
<tr>
<td>k . : ; W D [F2]( )
[F3](f) " N C L D ; 2 3</td>
<td>[F2]
[F3]</td>
<td>; W D
f ; W D b
r
y D
; W E c
V : 120 01 50
HR: 120 09 30
D W P2</td>
</tr>
<tr>
<td colspan="3">D1) = > ; l \ (3600 00 00 - d e T M) = > ; (;) ? m ;
d e T M 5 / ? m ; = > ; l \ d3599 59 55
D2) . ; W D 8 V) { D Z 6 d30 , - = * +</td>
</tr>
</table>

4.6 ; < 9 90

V = > ; n 0](90]X180] 270]) d4]30 W ! F . S } d15

W o g 7 8 5 6 1 f y ' ; W D 2 3

% , -

y D

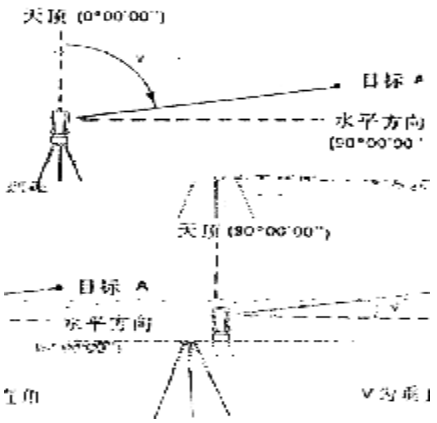
[F4]

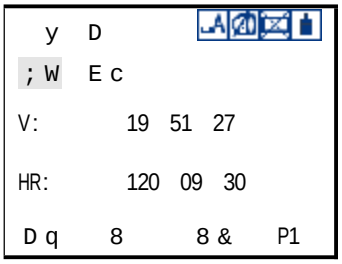
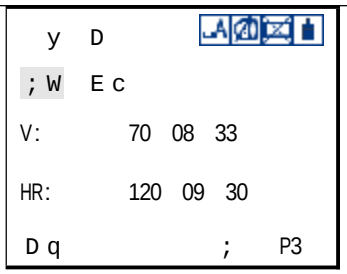
[F4](P1) % [P3] ' (

[F1](H)% , - 7 8	[F1]	HA 4 5 5 1< > N 7
? [◄ ►]% j k i ? 4 / 5 7 8 U 7 N y D	[◄ ►]	HA 4 5 4 < > N 7
E 7 8 U [7] N y D	[F4]	y D ; W E c V: 10.30% HR: 120 09 30 H ; P3

4.7 C： U 9 =

9 : ; , - - -



	%	, -
[P1] % [P3] ' (	[F4]	
[F3] (;) % D1)	[F3]	
D1) [F3] (;) % , - 2 3 d Q		

@PAB67>?

NTS-380R h D F DE23 ODET"
HI} (F) EcD D ?Ec:p= :p f
&-/67Q~<%&>m>)d%8 EnoAB67O
DE kXq Xg Xrg?st DEO ! O
HINhi 3 Ec8V? f
HIiD 23 u HIGD 23 D : O \u %v

?@A6A
8f O \w}O ? HIb? HI
8 gEcD EDM O ? DE V O x yz
(?q Q]X{ r|} ~) EDM D ?Ecr d}yz ?E
c
8 Q EcD O c !D W r •? O
?HI ( )# $? f~• f O)
(H +12.11 JKDE,!)
8 : hi } D

m@ABC6ADI[E9>?(@A>?)O
EF()9GHIJ6A
O HIGDE D W : O 9: HIG 7
f~• (H +12.11 JKDE,!)

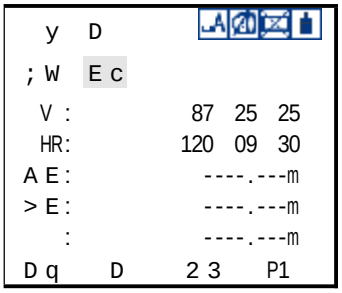
Kks7HI@A8[K^LZGO

EcD c L :fyQRBC?78<JKLM?78 5 EcD
5 QRBC<JKLM?78 H +cXh 78,

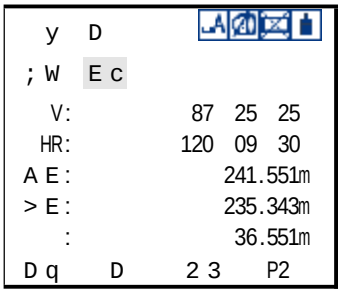
5.1 CaB

		,-

[DIST] % D E E c D [DIST]
4 D1)



[F2] D



y D



? D U , - D E c -
D ? D2) D3)

D1) O t D E(EDM)C D [F4][o]% D

D2)E c? Z- +m,( )X+ft,( )X+fi,( ) e W E c M n 5

D3) V D 8V Q R < g? ! h i f g D

D4) 3 +7.6 M n 7 8 ,

5.2 5 6 B 0 1

NTS-380R h | V D / D 2 / D 3 / D 4 / D 5 / D / D D 2 3 n : j k

% ,-

y D

[DIST]% D E E c D [DIST]

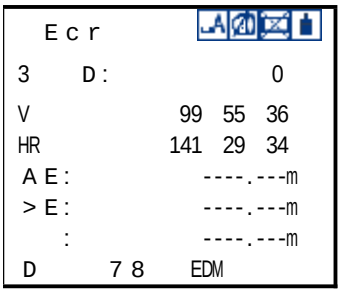
4

% , -

y D

① [P1] % [P2] ' ([F4]

[F2](r)% [F2]



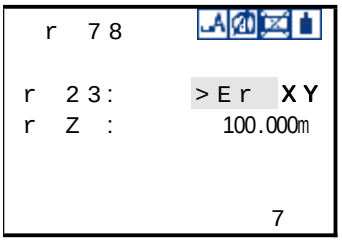
? [F2](78)78r D 23

%jk>Er r AEr D [F2]

23, %78 r MZD1). U [◄ ►]

[F4](7)% q. -,78 > [F4]

Er 23.



Ecr

EN Ecr

g g} JK :2>E,- Om		Ecr 3 D: 0 V 99 55 36 HR 141 29 34 AE: 2.164m dHd: 0m : 1.250m D 78 EDM
D1) H +3.7 M ? ,		

5.5 B

. D 23

1q;W D

2qEc D

3q> D

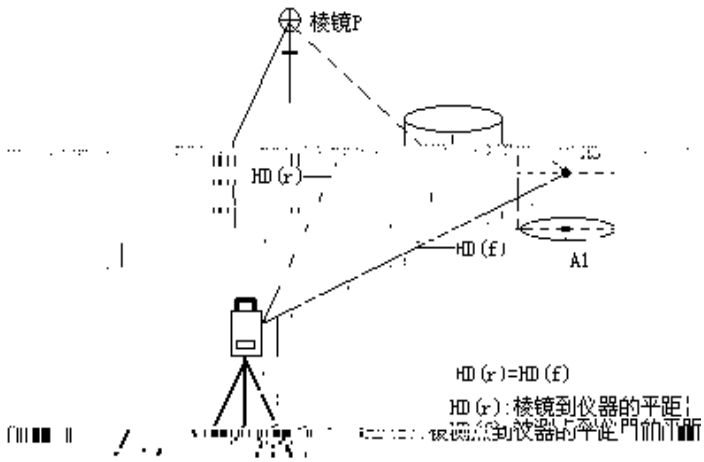
4q D

5.5.1 9U B

JK:SA7 X 23r# ? s ? :s8JK <hi>E ? P 78hi W/} D \D 8?

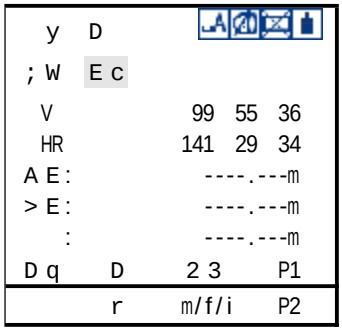
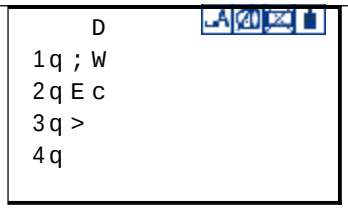
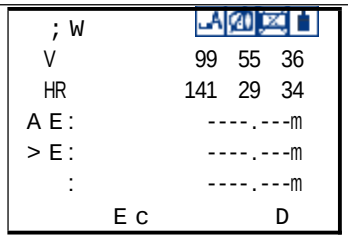
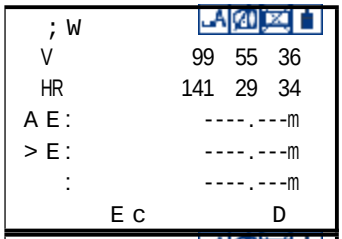
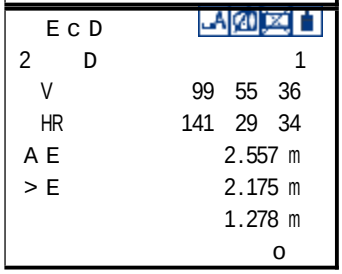
D AO? _ A1? 78hi /}

D AO ? 78hi (78} 0)



D c 78hi /}

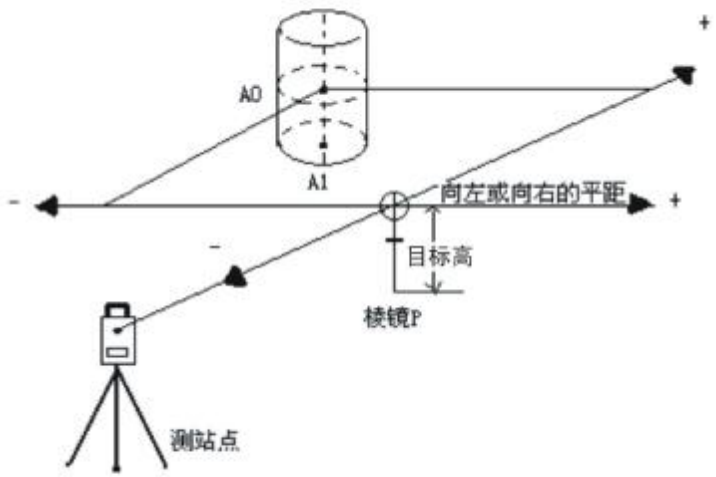
78D ? +6.2 D ?78,

	%	, -
DE23 [F4](P1)% [P2] '(	[F4]	
[F1]( )% D	[F1]	
? M %[1](;W), D	[1]	
E JKP [F4](D)% . D23 [F4](o)8 D D hi JK ?Ec D1)	JK[P] [F4]	 

r) => g) z g A0 , - h i A0 ? A E X > E X	A0	; W V 99 55 36 HR 141 29 34 A E 3.564 m > E 2.175 m 1.278 m E c D
g , - A0 A1 ? [ ] D2)	[ ]	; W V 99 55 36 HR 141 29 34 N 0.257 m E 0.165 m Z -0.802 m E c D
D1) [F1]( )% N 4 D2) [ESC]% N D		

5.5.2 *C a B*

V . s u ? g h : D ? E c < D P0 ? E c - - ? E oHD E c D 2 3 D P1 , - , - P0 ? E c <



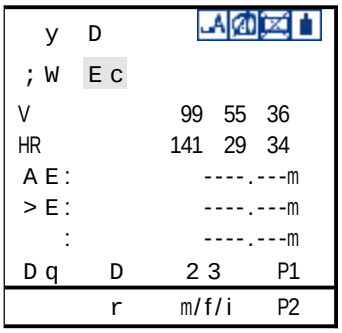
7 8 D +6.2 D ? 7 8 ,

% , -

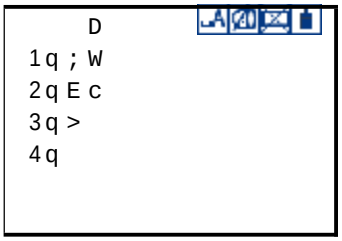
D E 2 3 [F4] (P1) % [P2]

' (

[F4]



M %[1]% D [F1]



? M %[2](E c) %, E c

D

[

E c

r J K P1 [F1](D)% 4 D

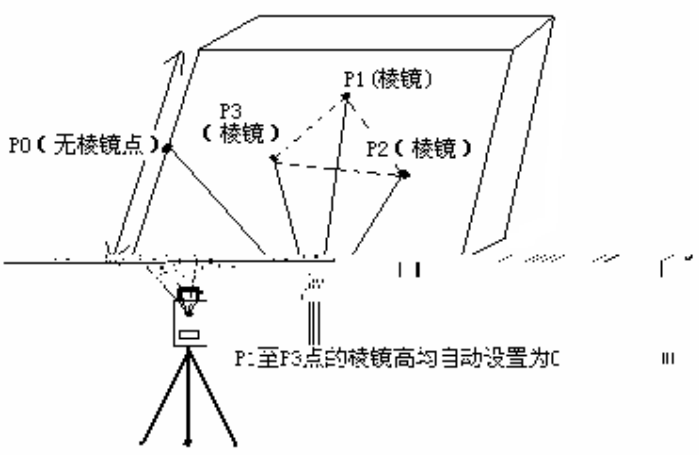
. D 2 3 [F4](o)% 8

D P1

[F1]

D E 8 , - E B C

? D 8 V



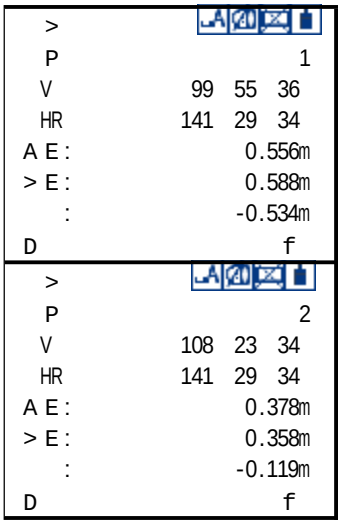
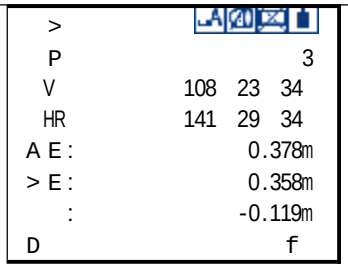
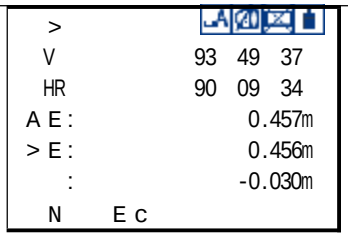
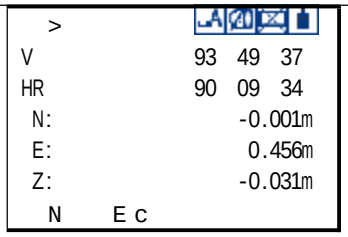
7 8 D +6.2 D ? 7 8 ,

% , -

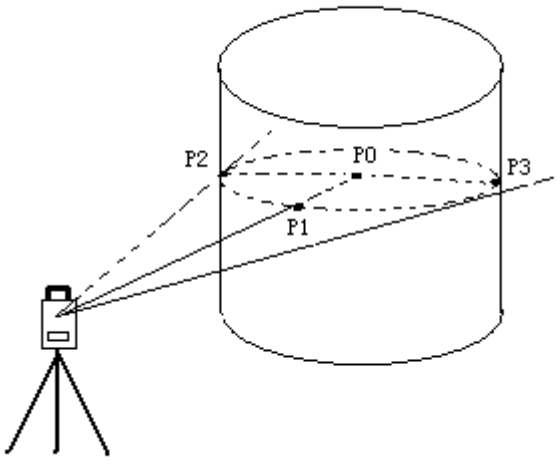
D E 2 3 [F4](P1)% /P21'

[

(

r c < D	P2 [F1] P3 [F1]	
g h i \ ] , -) > ? < E c Z		
i P3 [f]% > (P0)	P0	
j [ ]% , - P0 ? D1)	[ ]	
D1) [ESC]% N D D ( )% N E 4 D		

5.5.4 **B**



? M %[4)] (



i . : , - P0 ? [ ]%
[ ]
D1)

C P D E 6 7 > ?

6.1 ~ B =

h i < } D : S D ?

: 7 8 D Z +6.2 D ? 7 8 ,

: 7 8 h i < } +6.3 h i 7 8 , < +6.4 } ? 7 8 ,

: 7 8 D f ; , D

? [` 3 \ ] , -

D (NO EO ZO) h i ? } (n e z)

h i h (N1 E1 Z1)

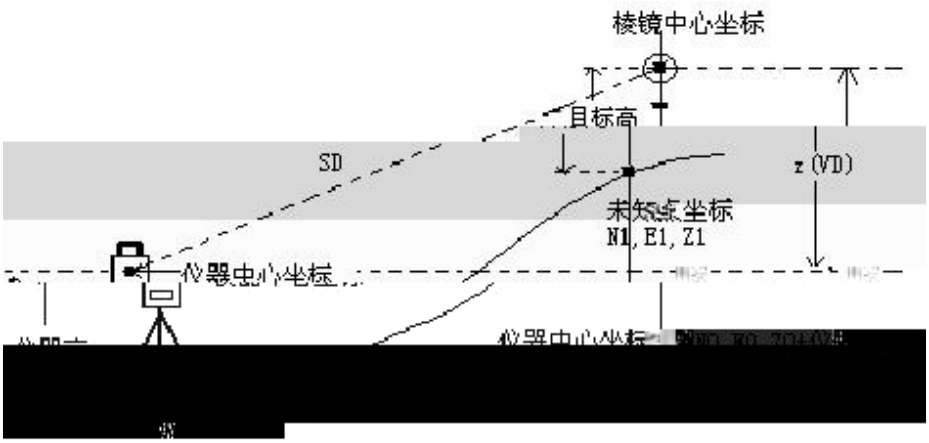
} Z(VD)

N1=NO+n

E1=EO+e

Z1=ZO+ h +Z-

h i ((NO EO ZO+ h i)



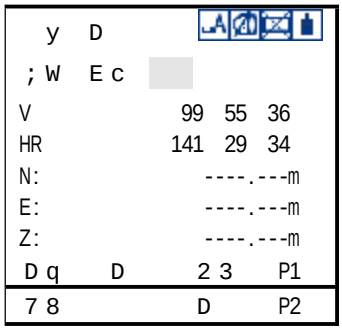
D g • h 5 u 3 4 6 M D E < % & _ < E _ ,] N O = < O

		, -
① } A [F2](D)% D % [F1](D q) D q 7 ? D 8 # f g+1 D q l m 2 ? 4 D	J K [F2] [F1]	y D ;W E c V 99 55 36 HR 141 29 34 N: ----.---m E: ----.---m Z: ----.---m D q D 2 3 P1 E c D q #: 1 l m: SOUTH } : 0.000m N : ----.---m E : ----.---m Z : ----.---m `a l m D
-, - D		y D ;W E c V 99 55 36 HR 141 29 34 N 36.001 m E 49.180 m Z 23.834 m D q D 2 3 P1

6.2 B ~=56

7 8 h i(D) ? h i f g <, - (})
?

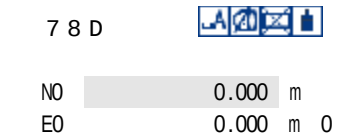
% , -



D 2 3 [F4](P1)% /P21

[F4]

' (



[F3](D)% [F3]

E U [F4]/7 1% " N D 23		y D ;W Ec V 99 55 36 HR 141 29 34 N: ----.---m E: ----.---m Z: ----.---m 78 D P2
D1) H +3.7 M ? , -99999999.9999 NXEXZ +99999999.9999 m -99999999.9999 NXEXZ +99999999.9999 ft -99999999.11.7 NXEXZ +99999999.11.7 ft+inch		

6.3 fg =56

注：t 51 qhi

% ,-

y D

D 23 [F4](P1)% (P2)'

[F4]

(

D1)　　H　+3.7　M　?　　,   -9999.9999　h i　+9999.9999 m   -9999.9999　h i　+9999.9999 ft   -9999.11.7　h i　+9999.11.7 ft+inch

6.4 { ~　=56

g ' (　bUZ　Z　t　51　　q }

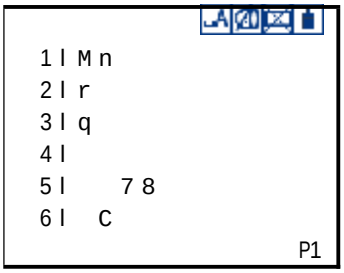
	%	, -
①　D　23　[F4]%　/P21 ' (	[F4]	y　D ;W　Ec V　99　55　36 HR　141　29　34 N:　----.---m E:　----.---m Z:　----.---m 78　D　P2
[F1](78)%　, -　c?hi　<} ,　%　O　}	[F1]	78　W hi　1.453 m }　2.000 m N　7
?　}　[F4](7　)%　} 78　D1)	} [F4]	78　W hi　1.453 m }　2.000 m N　7
D1)　　H　+3.7　M　?　　, -9999.9999　}　+9999.9999 m -9999.9999　}　+9999.9999 ft -9999.11.7　}　+9999.11.7 ft+inch		

F P G H I J

M n ? **h** [MENU]% h i k 1/2 2 3
M %[1](M n)

C L D 2 3

[ESC] [MENU]



4 o"

7 8 o"

NTS-380R D M n q q
q D M n o" < M n o"

7.1

1X j k M n o" M n q o"
2X j k q o" M n ? M n q o"
3X j k ~ M n o" D M n M n ? ~ (~ .
M n ,)
4X 8 D h i < D P
5X 8 D f ;
6X 8 D ? } 4 q M n

7.2

7.2.1 K l m " = h i

{ 0 p j M n o" g M n 2 3 o" j k , -
[j o"
o" j k 2 3 ? M n
% , -

[MENU] % h i k M [MENU]
%[1](M n) [1]

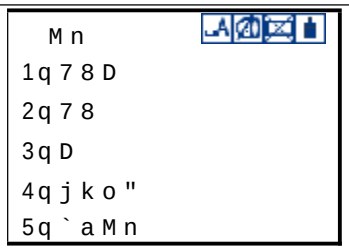
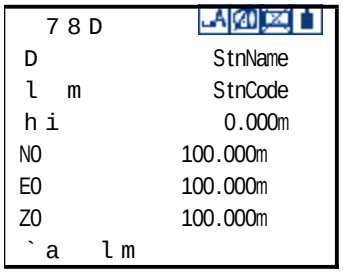
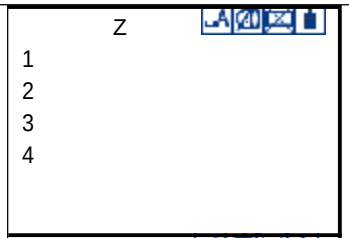
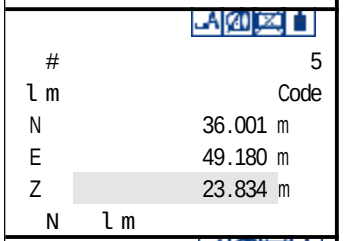
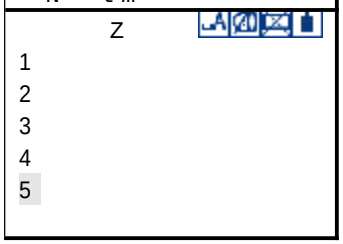
jko"

E [K L]% o"Z tg j

o" D3) [K L]

4 o "

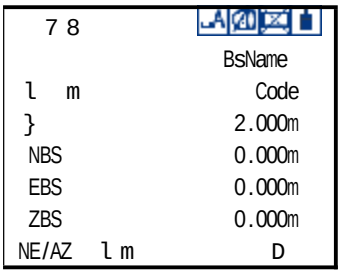
? + 7.2.1 M n o " ? j k , @A ? j
k o "

[Mn M %[1](78D), ,- Mn	[1]	
[F3]( )%	[F3]	
?. q [F4]( )% [F4]( )%	[F1] [F4] #Xlm < [ENT]	  

7 8 D 

E %jk) [F2]( )%jk.
[ENT](f)% jkD D [F4]
1)4 78hi

[F3]( )% [F3]



Z

[F1]

? . q [F4]( )% [F4]

[F4]( )% # X l m

<

[ENT]

D D #Xlm
<hi [23] O jkD 23
D } ? ;XEc<
- jkD Ec23

)Pw)P

D

D

gD U Mn\q

[ESC]% 8 Mn 23

7.4.2 *j k*

9 Mn 236 :S lm

% ,-

D

D 8

l m Code

hi 0.000m

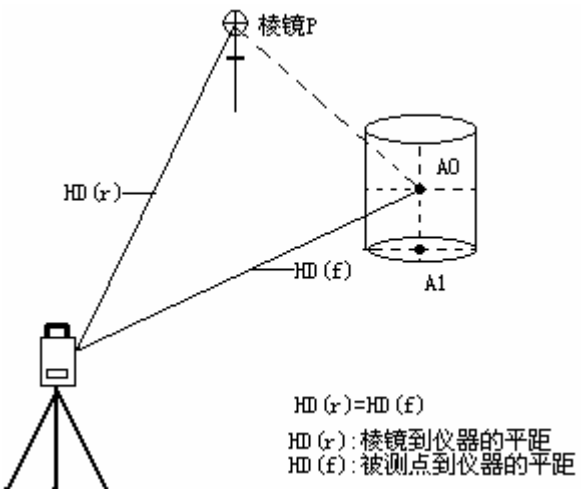
23 DEc<>

D 23 [L]% g lmO lm

`a lm D

D

lm



JKs8 chi } A0 =>Ec?(?} D

8 VD _ A1? hi /}
8 D A0? hi (78} 0)

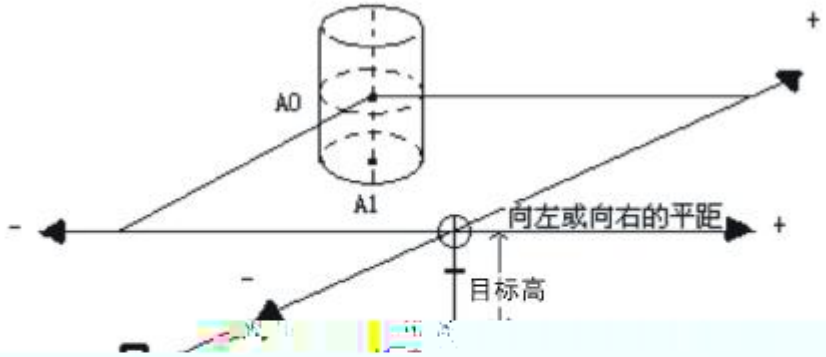
% ,-

Mn D 23 [3](D
?

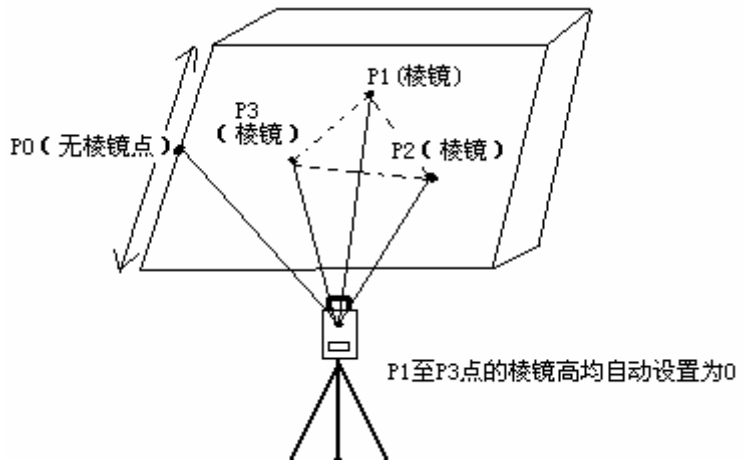
; W 

r g = > X z g } A0 , - A0
?

A0



	%	, -
M n D 2 3 [3](D ? ' ([F3]( )%	[3] [F3]	D # 5 l m SOUTH } 1.000 m 2 3 D E c <> ` a l m D
M %[2](E c)	[2]	D 1 q ; W 2 q E c 3 q > 4 q
? M % X < c E [F4](f y)	E [F4]	E c E 1.000m c E 2.000m f



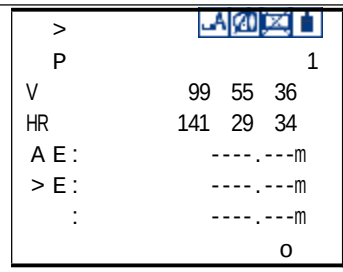
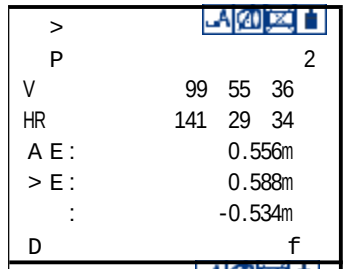
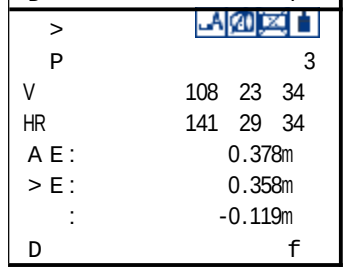
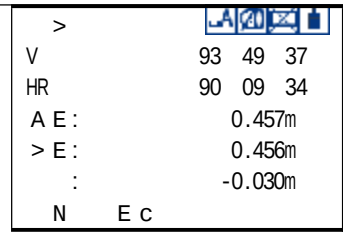
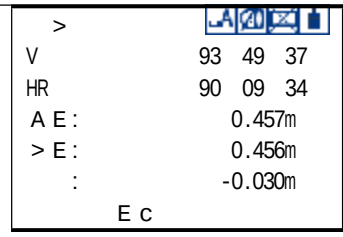
E c

③ } , [F4](D)% A0
[F4]

'(D :S D ? D > ?Ec

{0 23 D > ?) (P1 P2 P3) f \D>

D P0 P hi \] ,-) > Ec<

E 4 D . D [F4] (o) %	[F4]	
r D 8 , - | - c D c < D	P2 [F1] P3 [F1]	 
g 8 > D M n \ [F4] (f) % " , - - | - D > ? > (P0) [F4] (D) D3)	P0 [F4]	
i D 8 , - 8 V		

>

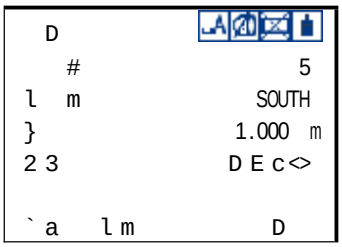
j [ ]% , - [ ]

7 8 D +6.2 D ? 7 8 ,

% , -

M n D 2 3 [3](D [3]

? ' ([F3]( )% [F3]





r D 8 , - | - (P3) ? ;
P3
W D
[F4]
(P3) [F4] (f) %

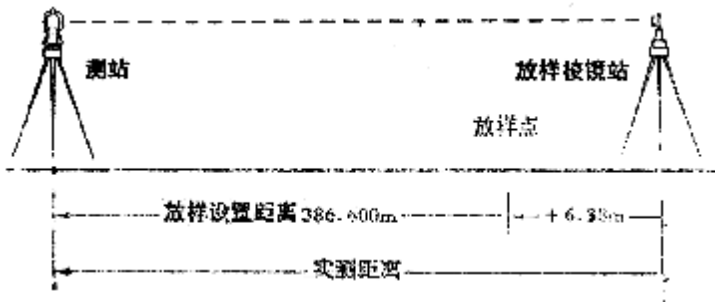
GHwJ

		? #Xlm } l
Mn fy	1q4 2q5	Mn 45?78 4 |-)

8 V Mn :B >g78 0 M78

KPLM

r 23 '(D r <) q ?. Mn78 r
? Mn r q ? r %& ? Mn t
\]6v hi q
NTS-380R h? q D Mn<Vr ? Mn Mn\q
Mno" 5 qe% +# Xq 23,



8.1 p

r ? >
1q jkr o" D MnX Mn<r Mn?~
2q 78D
3q 78 f ;
4q ?r 4 r

8.2

8.2.1 ~ =56

\]`3

1)

=R/(R+)

R _ ` > i a b g h

> i = ?

2)

D ?

3)

=

E c \ ]

1) E c

HDg=HD

HDg E c

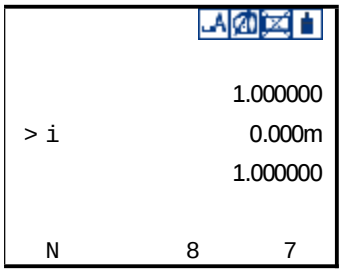
HD _ ? E c

2) _ ? E c

HD= HDg/

P W 3 4 D E X Y Z [

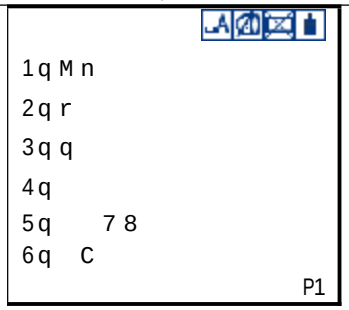
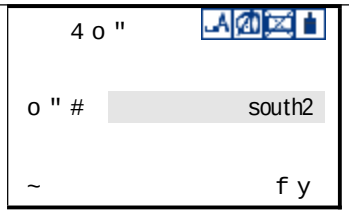
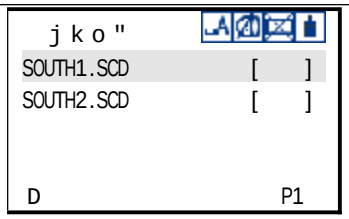
	%	, -
[0] L 7 8 [F3](EDM) EDM 7 8	. % 2 3 EDM 7 8	L 7 8 O 8 X Y # $ 0 X Y (O ' W 2 X Y t u t 100% EDM EDM 7 8 EDM 2 3 D X Y H I J K X Y J K L M 0.0 mm R ! 7 P1

F2 7 8	7 8	
D1) H +3.7 M ? , -9999 2+9999m(-32805 2+32805ft) 0.990000 2 1.010000		

8.2.2 p m " = h i

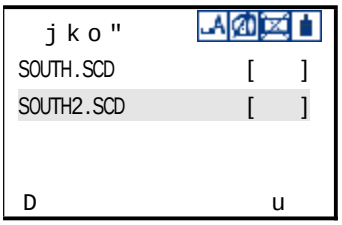
9 r 2 3 { 0 : j k M n o " D M n q j ? M n o "

r 2 3 . 9 j k o "

	%	, -
[M %[2](r)	[2]	
[F1](~)% D1)	[F1]	
? , - o " Z D2)		

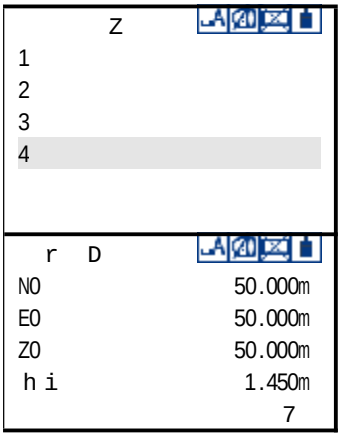
E [K] [L]% o" Z t g j

o" [K] [L]



r

r [ENT](N)% o" \ j k " N r [ENT]

<table>
<tr>
<td>: S D D1) [F3](<br>)%~ . hi [F4](7
) %8 D 78</td>
<td>[F3]
[F4]</td>
<td>
</td>
</tr>
<tr>
<td colspan="3">D1) H +3.7 M ? ,</td>
</tr>
</table>

8VN2(i) TjET423.72 TD -0.cr 8 656.248 9.31.36 1.36 TcmT8i

r



BSN 10.000m
BSE 10.000m
BSZ 99.000m

NE/AZ 7

Z



1
2
3
4

：S D1)
[F3]( )%~ . 4 [F1]
/NE/AZ1% Q ：S ;23/
- -1
[F4](7)%
JKr8 hi JK
[F4]/f 1

[F3][F4][ENT]
[F1][F4]
[F4]

r

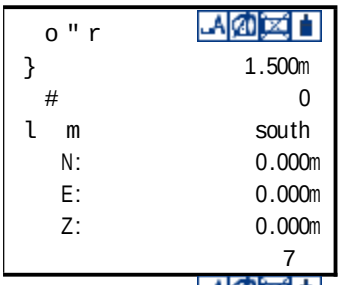


7 8 r 

[1] j k o " r o " r [1]

g r Z [F3] / 1,

r 
N: 50.000m
E: 50.000m
Z: 99.500m
} 1.500m
7
r Z 

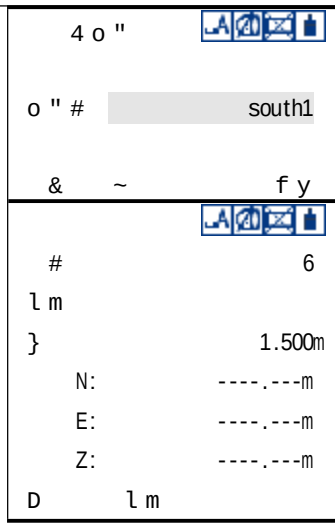
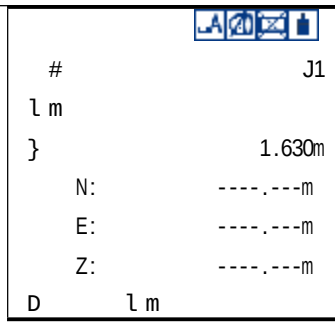
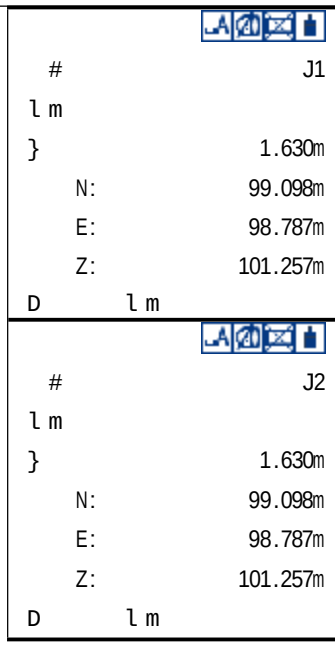


o " r 2 3 [F3]( )% " , -
q o " ? P Z j r P [F3]
[ENT] % r [ENT]



1
2
3
4

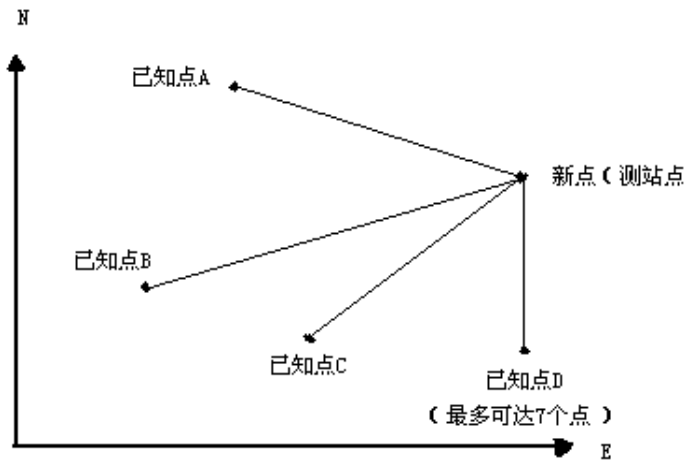


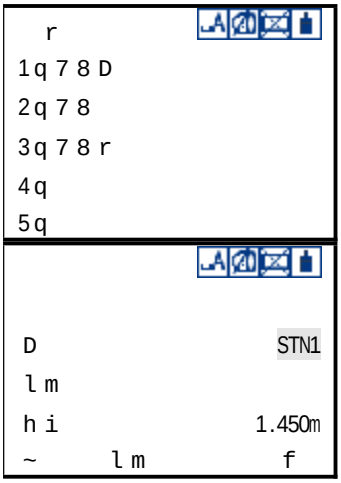
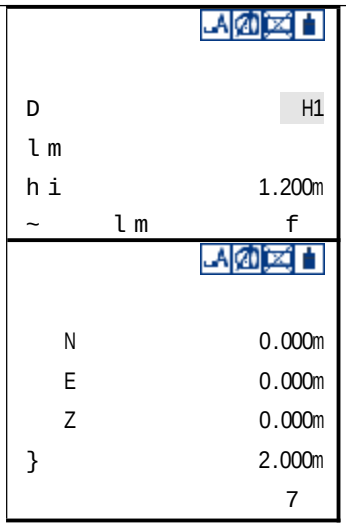
j k q ? o " D1)	j U o "	
? # X l m < } } r g i	# X l m < } }	
E [F1](D)% D D 8 [F4]( ) # f g 1	[F1] [F4]	

D1) ：S o"# [F4](fy)% o"\fy4 [F]jk &X [F2]~ o"
q

8.4.2

s8hi d7 7 . ? < ?D Mn\]
? D
DEcD D 2 57?.
D;WD D 3 57?.
D decs h](;WD . D3 .
decs \])



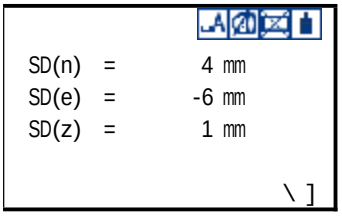
	%	, -
r M %[5]( )	[5]	
D # X l m < h i [F4](f) [F3]( ) j k D # D D 8 \ q	# [F4] [F3]	



N 9.169m
E 7.851m
Z 12.312m
} 1.200
7

? . ? [F1] / 1 ~
U . . [F4] / 7 1 [F1]
f y [F4]

r , - Z (mm)



g [F4] (\ ]) \ ] D [F4]
(7) X [F3] (r)

N P 6 7 O P > ?

[MENU]% h i 2 3 2 3 7 8)

9.1 ***B***

(r 8 J K ? } W J K A 7 } ! 9 ?

P D

1^ 2 E_(h)#$8_`(ahh=1.3m)

r } K , - J K } ? D2)	K	D } 1.300m V : 94 59 57 HR: 85 44 24 > E 11.548m 1.300m D
D1) H +3.7 M ? , D2) [F2]( )%, N E [F3](>E)% N r		

2^ b 2 E _ # $ 8 _ `

% , -

D

1q }

2q }

M %[2]j k } ? D ' ([2]

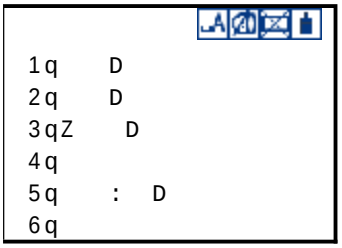
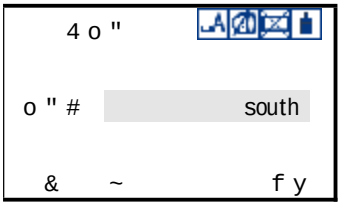
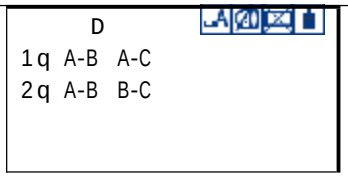
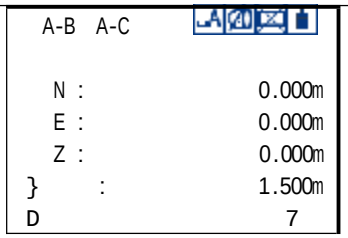
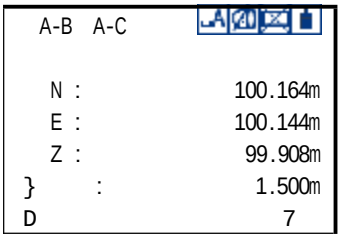
D 

r } K ,-JK } ?9:

Ec( ) D1) [F4]

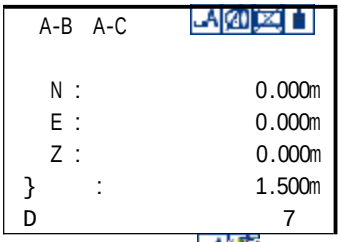
[ ]MLM-1(A-B A-C)

MLM-2(A-B B-C) 2 3 ? D) MLM-1 2 3

	%	, -
M %[2](D)	[2]	
j k ? o"	[F4]	
? M %[1] j k A-B A-C ? D '(	[1]	
E J K A [F1](D)% D1)	A [F1]	
r D 8 , - A [F4] / 7 1	[F4]	

g　　J K B　　[F1] (

% , -



Z

E F3]( )%~ A [F3]

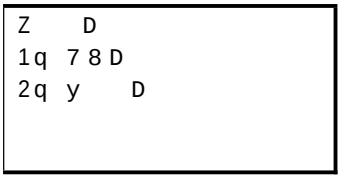
j k ? o"		4 o" o" # south & ~ f y
? M %[1](7 8 D)	[1]	Z 1. 7 8 D 2. y D
E ~ D h i [F4] / f 1 D 7 8 D1)	[F1] P [F4]	7 8 D D StnName l m StnCode h i 1.450m NO 100.000m EO 100.000m ZO 100.000m f

2) **[d w \| 6 7 G H a b** Z **D E**

[ ] M n o"

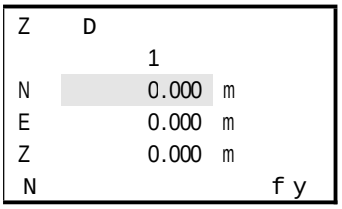
	%	, -
M %[3](Z D)	[3]	1q D 2q D 3qZ D 4q 5q : D 6q
[ENT] [ESC]% j k r o" [[ESC]%, o" M n]	[ESC]	4 o" o" # SOUTH & ~ f y

? M %[2](y D) [2]



E D [F4] (f y)%

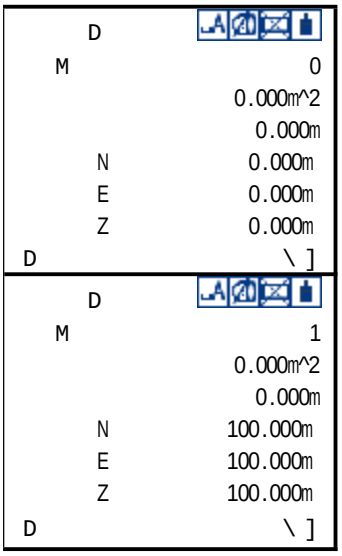
[F4]

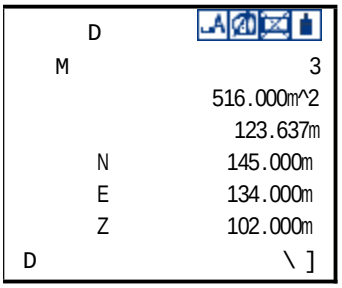


r }

H
HR 45 00 00

k , - D " [F4](r)% =
[F4]
> ; \ 7 8
[ ] [r]F4](

<table>
<tr>
<td>?　　D　'(　[F3](　)~U　1?
[F4](\])</td>
<td>[F3]
[F4]</td>
<td>


</td>
</tr>
<tr>
<td>E　　?　~U2
S　?7　Z?　\\]4　~U
3　S　?7　Z?
\\]</td>
<td></td>
<td>


</td>
</tr>
<tr>
<td colspan="3">D1)　[F2](~　)%　q　~　o"
D2)　[F2](　)%　jk</td>
</tr>
</table>

9.4.2 B KlZ[

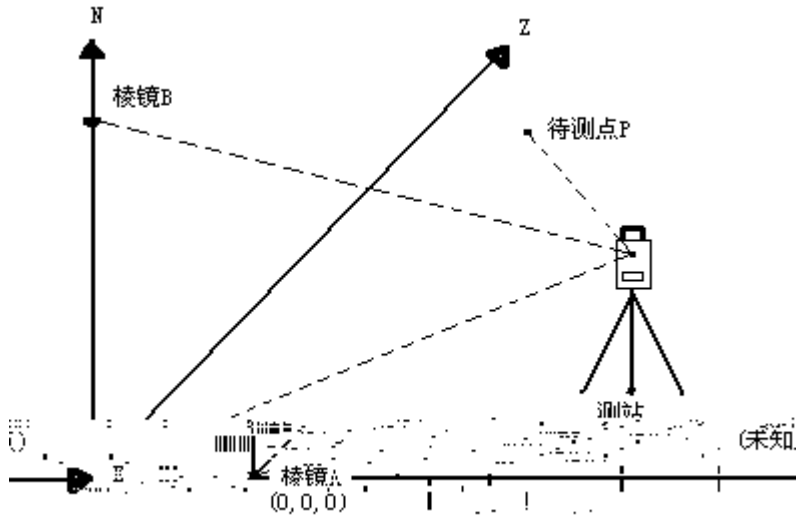
	%	, -



D  

D ' (} 1 1

[F1](D) D1) [F1]



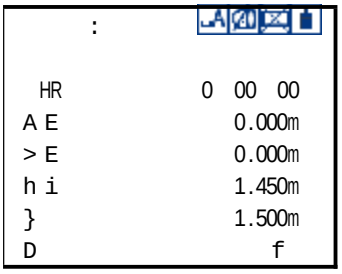
	%	, -
[MENU]% , - k 1/2,5 M %[4],	[MENU] [4]	1 l M n 2 l r 3 l q 4 l 5 l 7 8 6 l C P1
M %[5](: D)	[5]	1 q D 2 q D 3 q Z D 4 q 5 q : D 6 q
? j U D : ? o "	[F4]	4 o " o " # south1 & ~ f y

h i < }

E h i < } J K P1( )

[F1](D)% D P1

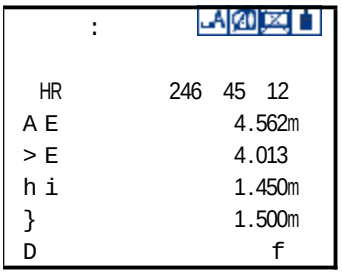
[F1



r D U D D P1 ?

; X A E < > E [F4](f)%

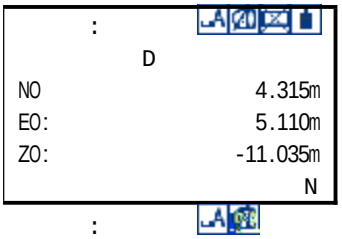
[F4]



h i < }

g D D P2 ? ; XA E < >

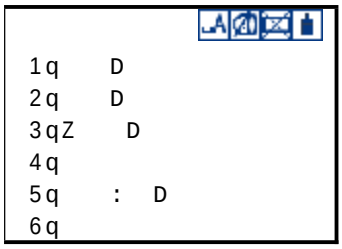
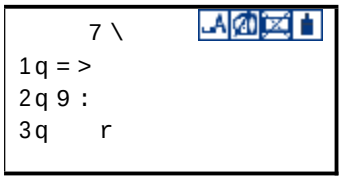
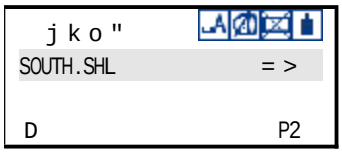
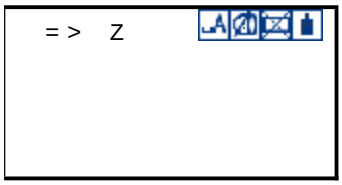
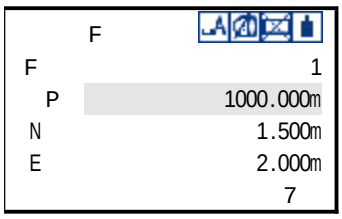
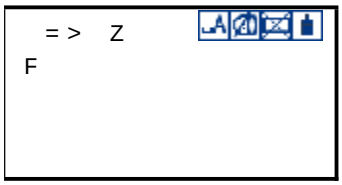
E [F4](f)%



j . [F4](D) , - D

. [F1]( )% J K [F1](D) [F4] [F1]

D m } D1)

M %[6]( )	[6]	
? + 7\, jk+M %[1] => , ,- & Z,jk ?o" ? &,5 [F4](fy) [ENT](N)%	[1] [F4]	
Ejk => o" [ENT](N)%	[ENT]	
r,-=> Z/ - Z \1 [F4]( )%	[F4]	
g F ? PXN <E [F4](7)	PX NXE	
i " -,-D1) [F4] ( )%	[F4]	

k " -	[F4]	=> 1 P 1 P 1000.000m 0 00 00 : a
D1) [F2]% P? 3 Mn		

k ",- c? P< P'Q ? ;< G?'(%
|V : X a X <a X . '(jk '(%
P? e*+ o ? [fy]% " \] ? P< ;
N k " R? G [ESC]% k "4 :
0c ? B p l jkg ? (o"
? !

Hf

F R G : : ;<Ec 7EcZ
(M

% ,-

=> 1
P 1
P 1000.000m
0 00 00
: a

=> " [F1](:)%
: "

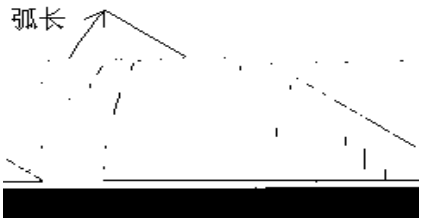
[F1]

: ;

: ? ;< W [F4](fy)% <

[F4]

0 m

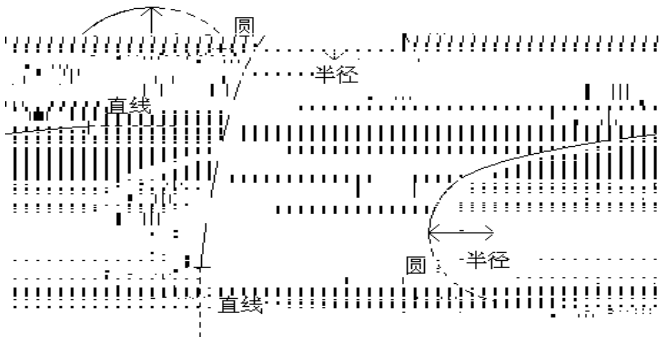


k " [F2]( )% a a g h < g h Z ? a c ? g h C Z g h Z (M

% , -

= > P 2
P 1048.420m

" [F2]( )%
a " [F2] |f}_

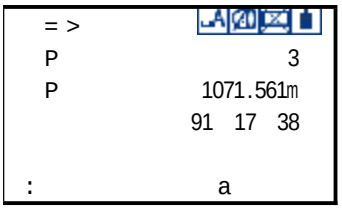


k " [F3](a)% < a < a d e g h < g h C ? < g h ? C ? (M

% , -

" [F3](a)% [F3]

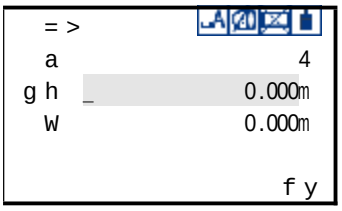
< a "



d e

< a ? d e g h < [F4](f g h X y)

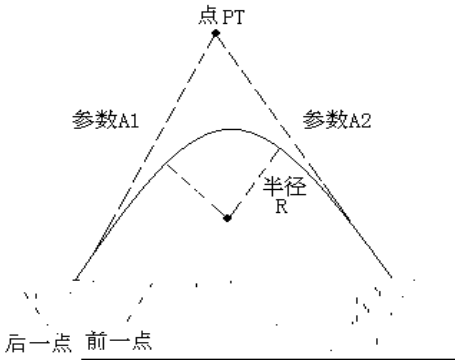
[F4]





? N k "

? < a



% , -

= >
P 100.000
0 00 00
04
: a

" [F4]( )%

[F4]

"

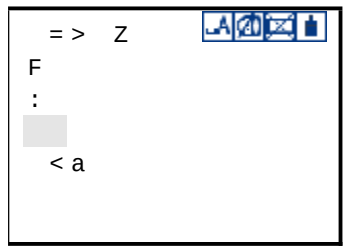
NXE X g h < A1 XA2

9.6.1.2 j ;<

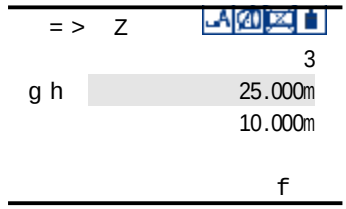
= > M n B

%

, -



j k : l ? = > o " 5 [F1](K L
)% ", - j ? = > M n [F1]



K L% : l ? = > M n

", - j k ? q ? = > M n

548 Tc-Ø8jc (048 Tc-Øjc (.048 Tc-Ø8jc (00mc (0) Tj90.6 Tc-81 -

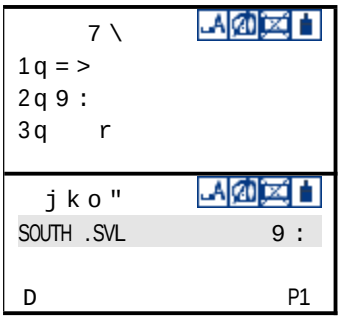
P	1000	1300	1800	2300
	50	70	60	90
	0	300	300	0

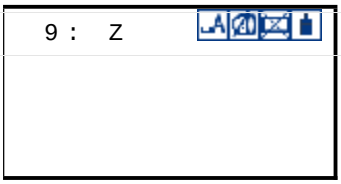
9： " U ?Mn [fy]%
q ?Mn ? "4 [ESC]% q Mn3 9：
"

% ,-

+ , [2] +9： , ,-
& Z,jk ?o" ? &,[ENT]
% ,-o" Z,jk 9： o"
5 [ENT]% D1)

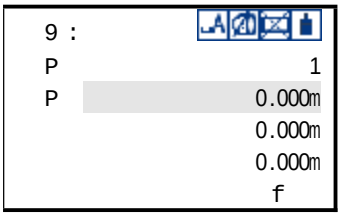
[2]
[F4]
[ENT]





[F4]( )% 9：
" - PX < [F4](f
y)%

[F4]
PX
<
[F4]



9：

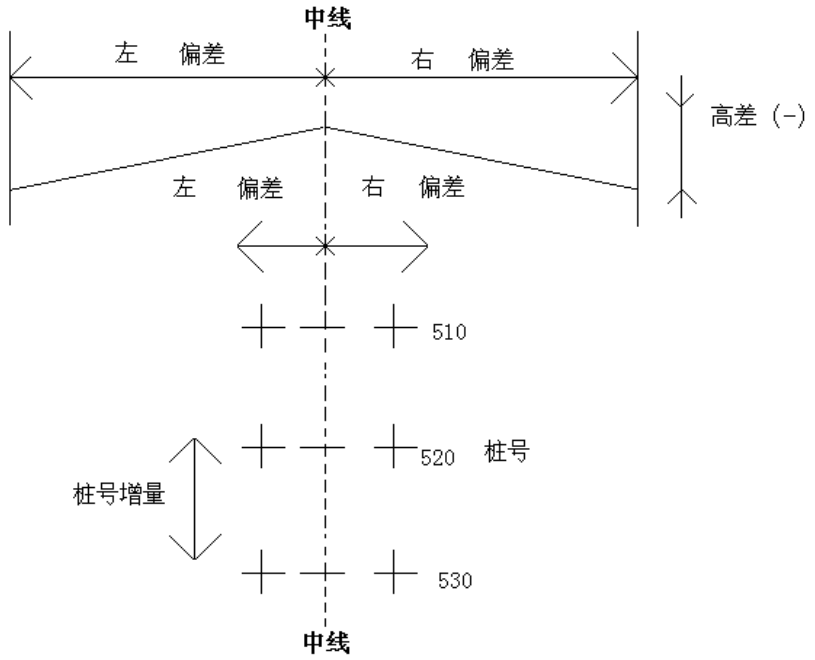
?q 9： Mn 9： Mn

Mn B <l => Mn

,-

K L%% l ? Mn,
[F2]( )%, l ?Mn
, l ? Mn? P, [F1]%
/ 1

K L
[F2]
[F1]



- 9-1

9.6.2.1 ***h i m "***

{ 0 j k o" V ~ < q r M n

		, -
+ 7 \ , j k + [3] r , P + r , j k + [1] j k o" ,	[3] [1]	7 \ 1 q = > 2 q 9 : 3 q r r 1 q j k o" 2 q 7 8 D 3 q 7 8 4 q 7 8 r
, - j k o" F G [3] % (j k r o") D1)	[3]	j k o" 1 q j k = > o" 2 q j k 9 : o" 3 q j k r o"

?,-jkr o" " :S :~ Mn?o"# q ~ o"		jkr o" o"# SOUTH N ~ M fy
E [F2](~)% ,- & Z,jk ? o" ? &, [F4] [ENT]% ,,- Mno"} D2) D3)	[F2] [F4]	SOUTH.SCD [ ] S0001 [DIR] DATA.SCD [ ] D u
r [K] [L]% o"Z tg jk o"	[K] [L]	SOUTH.SCD [ ] S0001 [DIR] DATA.SCD [ ] D u
g [F4](fy)% o" \jk [ESC]% N r	[F4]	r 1q jko" 2q 78D 3q 78 4q 78r
D1) [1] [2]% ? jk: ?=> o"<9: o" D2) :S o"# D3) [F4](u)% ,- c '(, <l o"		

9.6.2.2 ***56B***

D ?78 %& hi qTU? 3 %& r + PX ,?Z3 ? 3 q TU?rNXEXZ Z3

% ,-

+ 7\, jk+ [3] r , [3]
P + r , jk+[2] 78D

, [2]

７８D 

C，　　ZBD （9：） Tj/F4+2

７８D　　"

D

[3]

+ , j k + [3] r , P

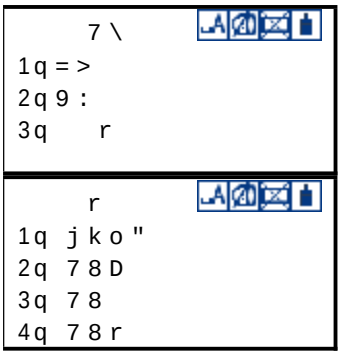
+ r , j k+ [2] 7 8 D ,

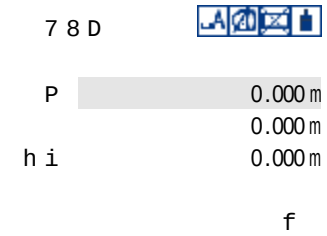
[2]

7 8 D

[F1]

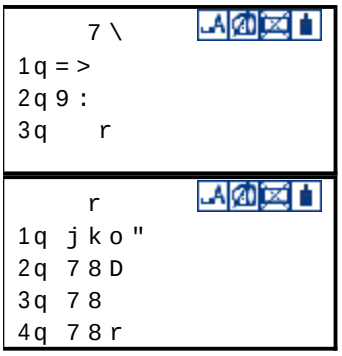
7 8 D " [F1]( )



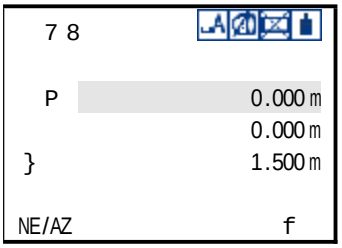


+ , jk+[3] r , P [3]

+ r , jk+[3] 78 , [3]



78 " [F1](NE/AZ) [F3]



78

? [F2](;W)

2) **y [D E e] N**

7 8 ? D ? 7 8 %& h i q T U ? 3 %& r + P X , ? Z 3 ? 3 q T U ? r N X E X Z Z 3

, -

7 \

[3]

+ , j k + [3] r , P

+ r , j k + [3] 7 8 ,

[3]

7 8 " 3 A

? P X < } [F4](f

) h i n ? P < \ ] ?

[F3](f) B [F1](NE/AZ)

: S

[F3]( )~ . [F4](f

)



7 8

P 0.000 m

0.000 m

} 1.500 m

NE/AZ f



7 8

1000.000

l m 0.000

NBS 1.500 m

EBS 2.000 m

ZBS 0.000 m

` a l m f



7 8

P 0.000 m

0.000 m

} 1.500 m

NE/AZ f



7 8

NBS 0.0

9.6.2.4 p

7 8 D < r

% , -

r
1q j k o "
2q 7 8 D
3q 7 8
4q 7 8 r

+ r , j k+[4] 7 8 r , [4]

r M n " F P X P
) ? >dE>E>E

> q E

i)k

r Z 

g h i 4 r ? \ ]

HR r ? = > ; \ ] Z

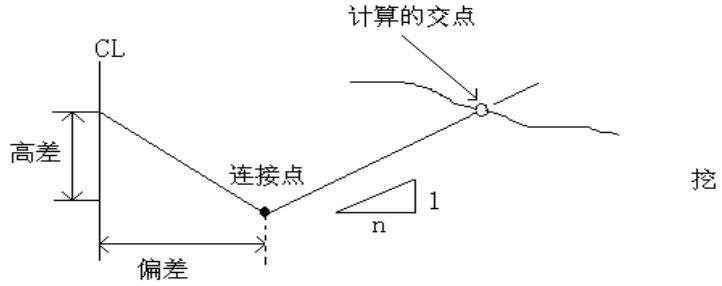
HD h i r ? = > E c \ ] Z

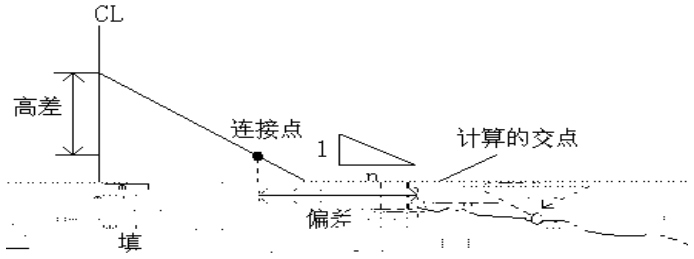
k=h '(% A r
KhCl< '(% e P(e?Mn c P P)
mhnl< '(% Q P(Q?Mn c P P)
◀hop< '(% r 4 % ,- ? X
▶hqp< '(% r 4 % ,- ? X

[ESC]% N P< 78 " ?r
4 P " [ESC]% N "

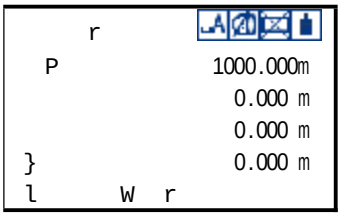
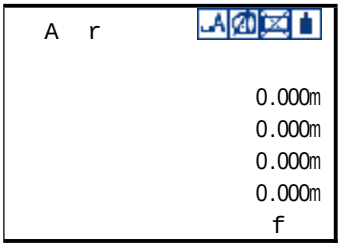
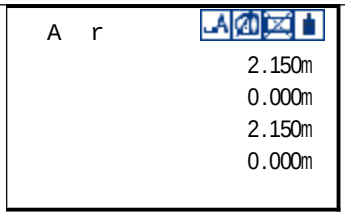
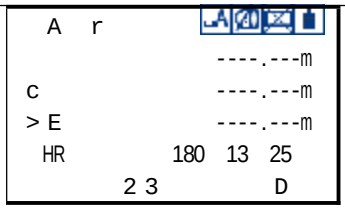
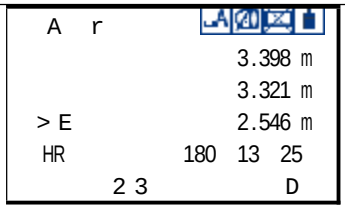
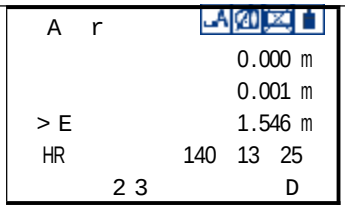
9.6.2.5 ? p

A r r jkg? 4p 0 9:
<=> (A r
A < CP : ?A "
n ? 8 Z jk ? W
r[S ? \ f . S ? A
A -





	%	,-

r P< " [F2](W)	[F2]	
A A [F4](f)% q Mn	[F4]	
? '(%jk[F2]( ) [F3]( )	[F2] [F3]	
E A r "		
r w}A \ U? [F4](D)% 4 A r c ?Mn jk ?A , 7 \D =>y ,\] U? 4Z ,- D \] ?	[F4]	
g " - gJK [F4](D) : ZS} 0 Z- r	gJK [F4]	

i [ESC] N A j k " ? 4 r		A r 2.150m 0.000m 2.150m 0.000m

( ) 1) . _ Z S \ ]
2) \ ] (, -

Q P R G 3 4

M 7 8 D 2 3 7 8 k M %[5] M 7 8

A r

1h(=34 :1m=3.2803333333333ft

	jkg	
;W	1qW(360]) 2q (400G) 3q (6400M)	jkD; DEG/GON/MIL(W/ /)
Ec	1q 2q 3q	jkDE m / ft / ft+in (/ /)
VW<RY	1qVW]C /]F 2qRY hPa /mmHg/inHg	jkVW]C /]F jkRY hPa /mmHg/inHg

2hrs34

	jkg	
FG	1q 2q	jk M :1m=3.280839895013123ft :1m=3.2803333333333ft

3.DE34

	jkg	
,-U	1qNEZ 2qENZ	,-U N/E/Z E/N/Z

4.-t34

	jkg	
9;23	1q 2q=>	jk9:;TM y => y \M
DE	1. 5 2. 4	NO*P r

%

1. 5
2. 4
1q ; W D
2q E c D
3q

4 6 2 3

% ? 4 5

1. 5

h3 TDMn
22c ((45) Tj-215.76 -37.56 TD -0.84 Tc (4) Tj-1.f Tc

5. G H I J 3 4

6. u v 3 4

j k r n j 7 8

Q $ P S T U V > ?

2 3 q g }

1) o " 5 B o " # / o " ? M n / / l o "

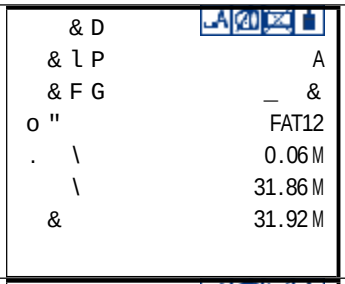
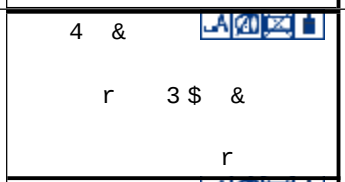
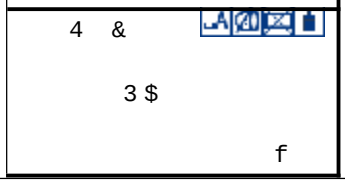
2) M n D M n / M n l m M n / S M n l m M n

= > / 9 : 7 8 M

3) o " SD ? o " _ & SD

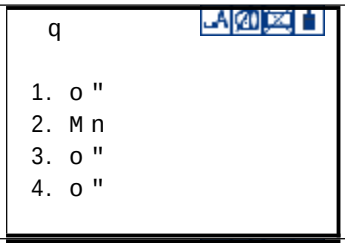
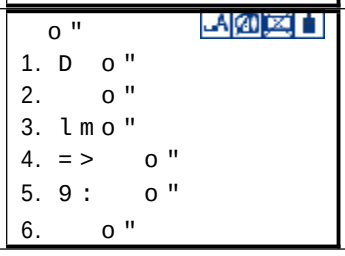
4) o " _ & SD ? o " SD

3

E [F1](D)%, j<&?\ , < & 7	[F1]	
④ [F2](3$)%, j & ? Mn fy 3$ [F3]% 3$ U ",-+ 3$ U , f % N & Z D2)	[F2] [F3]	 
D1) [F4](fy) [ENT](N)% 4 j? & o" Z (SD ?o" (USD Mn D2) [F1](U)% N & Z		

11.1.2 !m"

q o"

	%	,-
[MENU]% hi [3](q)% ,-q	[MENU] [3]	
[1](o")%, ",- o"FG [1] [6]% jk o"?FG [2] o" fy% jk o"	[1] [2]	

[o" Z [F4](P1)% ,- c '(	[F4]	jko"
		jko" SOUTH.SMD [D] SOUTH2 [DIR] SOUTH3.SMD [D] B# P2
? o" , [◀] [▶]% D o"/ o"/lmo"/= > /9: /o o"?7 P %& o"# jk [F4]%f	[F4]	o" F G D o"<> o"# NewFile N fy
D1) H +3.7 M ? , D2) (. ?o"# D3) [ESC]% No" Z		

11.1.3 m"@#

l q o"#

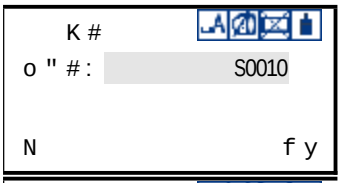
% ,-

jko"

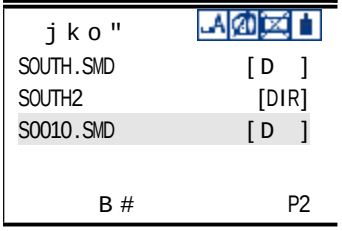
[o"jk [K] [L]% jk B#
?o" [K] [L]

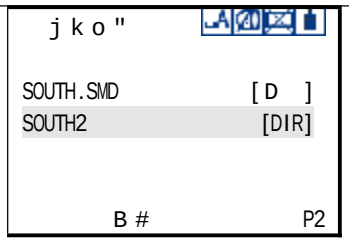
SOUTH.SMDO [D]

? [F2](B#)% [F2]



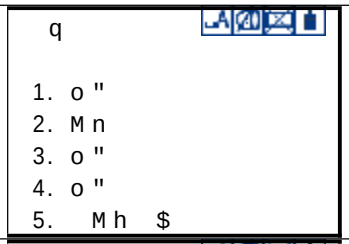
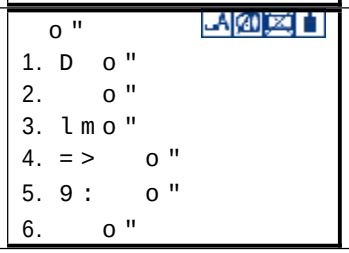
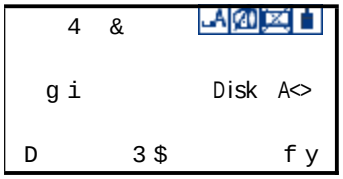
E o"# [F4](fy)%, Bo"#
' D1) D3) [F4]

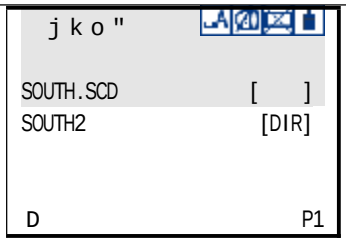
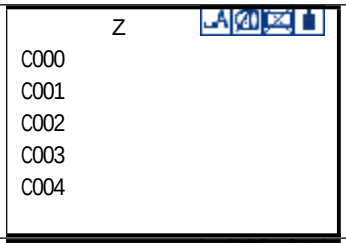
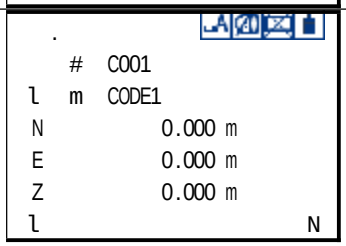
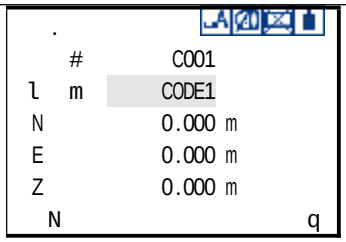


E f y o" [F3](r)%	[F3]	
D1) [F1](U)% No" Z		

11.1.5 $ %m"01&j Kl

2 3 D Mn? # wj lm<h X \ B DZ B

	%	, -
[MENU]% h i k 1/2 2 3 [3](q)% , - q	[MENU] [3]	
[1](o")%, ", - o"FG [1] [6]% j k o"?FG [2] o"	[1] [2]	
?? & Z D1) Disk:A Z- _ & Disk:B Z- SD ? g &(V & A?\ , - C/Df&, %= oo"#< o}) [◀] [▶]% Disk A<Disk B?Q	[F4]	

E [K] [L]j k : l ? o",5 [ENT](N)%	[ENT]	
r j k : l ? M n [F1]( )% D1)	[F1]	
g ",- j? M n [F1](l)%	[F1]	
i ? : l ? # X l m < [F2](~)%, ~ q ? l m U [F4](q% l D3)	[F4]	
D1) [F2]( )%, # ? 3 M n [F3]( )% j ? M n [F4]( )%, ? M n D2) [K] [L]% ? M n D3) H +3.7 M ,		

11.2 m " '

2 3 _ & ? o" (

	%	,-

q 

[MENU]% h i [3](q [MENU]
)% , - q [3]

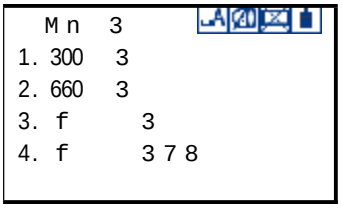
11.2.1 ：e w x y/z { X ?

g 7 8 (< S M n 2 3 7 8 , - S / ? M n
? # X l m ? 0 U (7 8 j g O r ? M n

% , -

+11.2 o " , E , [4](f)%,
f M n ? S 3

[4]



U



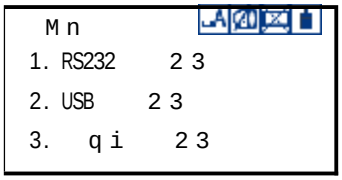
, - S U [K] [L]% r
? M %[1] [5]j k : 7 8 ? j g O 5
[▶] X[◀] %, S U # /N/E/Z/
l m Q

[menu % [3](q)%
q l

11.4 K l)

: S q ? M n o " \ ] 6 \ ] 6 M n o " < l m M n 7 \ ? = > M n < 9 : M n : S v h i q 5 = > < 9 : M n ? e 3 H A

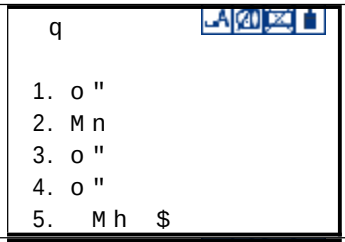
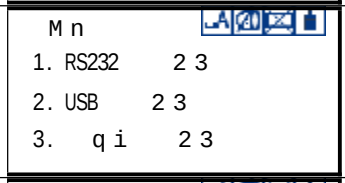
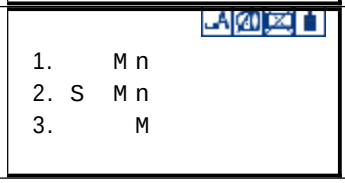
NTS-380R h | M n 3 ? NTS300 3 X NTS660 3 < f 3 n : f j k 5 M n 3 ? e * + H A M n ?



( ) M n { 0 : t S r C f z 6) h ? M 7 8 r (: ( ) M n t h i A q M n ? (

11.4.1 * K = 5 6

RS232 2 3 7 8 b 4800

		, -
q [2](M n)%	[2]	
[1](RS232 2 3)%	[1]	
? [3](M)%	[3]	

E [L]% g O 2 b j g O 5 [◀] [▶], j M [F4](7 8)% D1) D2)	[L] [◀] [▶] [F4]	M Ack/Nak b: 4800 b/s j 8 7 8
r " N RS232 2 3		1. M n 2. S M n 3. M
D1) [◀] M M e 4 [▶] M M Q U 7 8 [ESC]% D2) 7 8 < j [L] [K]% 2 : B ? j g O 5 [◀] [▶], j M		

USB 2 3 7 8 None

, -

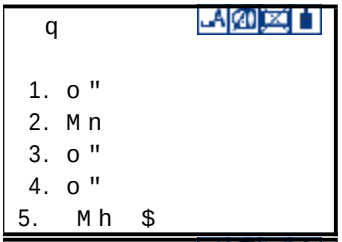
M n [2](USB 2 3)% [2]

M n
1. RS232 2 3
2. USB 2 3
3. q i 2 3

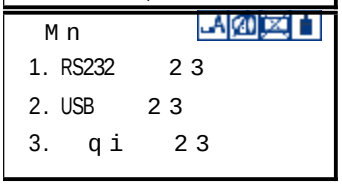
[3

, -

q [2](M n)% [2]



, - M n ? 2 3 RS232 2 3 X
USB 2 3 < q i 2 3 [1]
[1]% j k(RS232 2 3)



? [1]% j k(M n), " M n F
G
[2]%(M n2&[

L

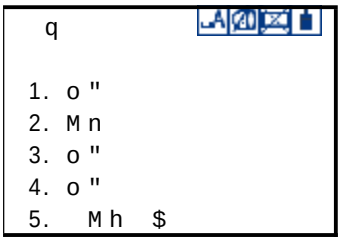
11.4.3 Q - K l

M n o " < l m M n [\ ] 6 v h i q

USB 2 3 S M n o "

, -

q [2](M n)% [2]



, - M n

g S Mn8 , ",-+S Mn8 !, N S Mn D3)		S Mn[USB] o" A: SOUTH.SCD 102 o
D1) +3.7 M ? , D2) [F1]f S 3?78 +11.2.1 f S / 3, D3)U S Mn [F4](o)%		

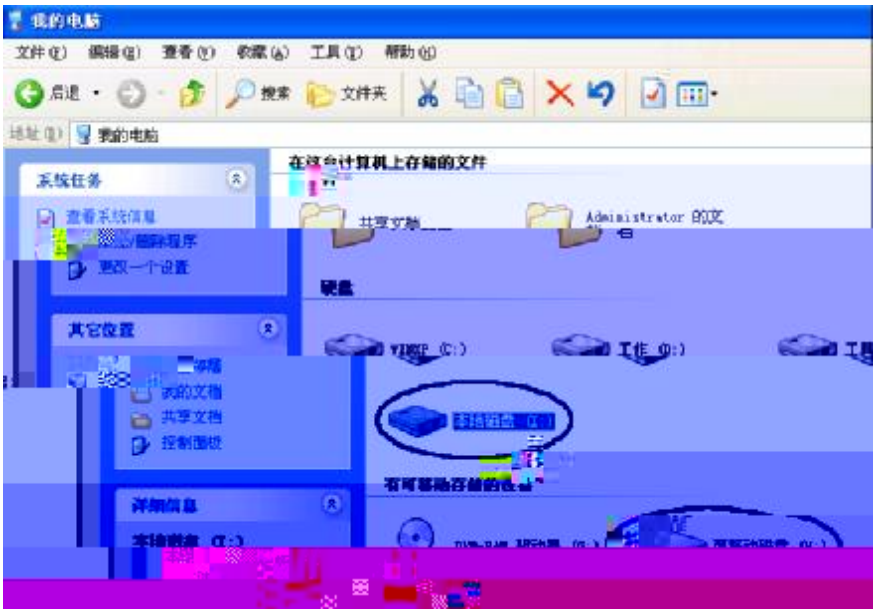
11.4.4 o . g 0 1

t < l o"

% , -

q 

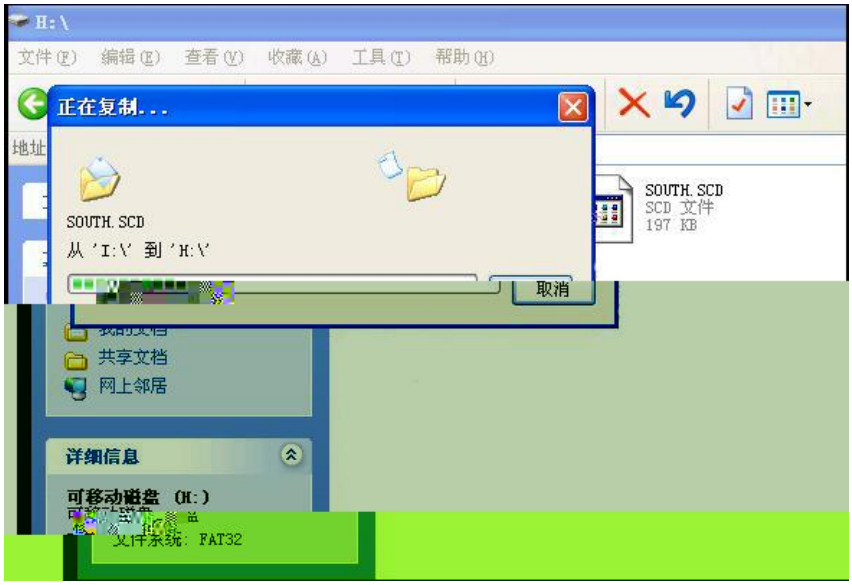
q [2](Mn)% [2]



r 4 _ & l g & H (_ & l) j : l ? o " M n 5 ? j k



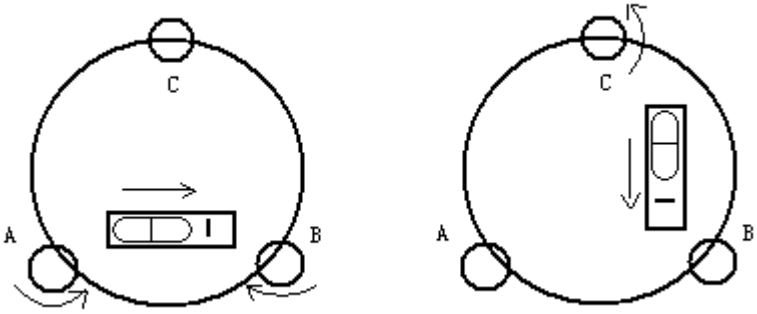
g 4 g & H 4 & ? j k + { , , - - o " ? o " < l o " # : N M n , h i [F4]( )%, > 4 t S



Q 0 P W X Y Z [

h i j i 2 ?) C j : h i 9 3 4 $! 8 ! h i D c i h i %? g) C f V W

12.1 /; g



U W X

3.2X+ = i f • > h i ,

U Z [

X . = i?R* c 0) = i> ? ~•
R* } g? c)*? g CQ g= i C $(= i)
~•2R*C
X hi 180 R*r C VR*N C ( ) :2R
*C
!X hi 90 ~•R*C
) C :2 ! 2 R*iC

12.2 ; g

UWX

= i Cf . = iR*#C p C

UZ[

.R* C CQ ";# ~•R* ? C $ R*C C
0 4R* ? C $( ) P • ? * C $ R
*C R*C C $? $i

12.3 yzI012

UWX

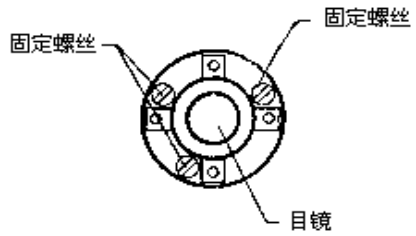
X•>hi {|K j } % # $ % =>
<9: g y
X g{|K9:zg y % g2 &? (%
!X.% r # $? $ g % N $? # $ @A p C
- % c $ # $@A C



UZ[

X{0U {|K}K)~Y y ? z v s

! X i ' _ $ 5 + C 8 V
(X v s v N



12.4 3) 4 3 = 7 8 U (5 6)

U W X

1 X E c h i Q < 100 ? | ' 7 8 } % } 9 : ; d3 f • > h i
4 t

2 X & 8 { | K } % T U = > ;
= > ;) * 10 13 10

3 X 4 9 : = > g y { | K ! & % c =
> 9 : g y T U = > ;
= > ; + * 190 13 40

(X , *) - (+ d 180) * - 30 . d 20 C

U Z [

A h t C

	%	, -
• > h i 4 6 [MENU] % [6] C	[MENU] [6]	1 l M n 2 l r 3 l q 4 l 5 l 7 8 6 l C P1
M %[6](C) 5 j k [2] (C)	[1] [2]	1. C 2. C 3. 7 8 4. , -



? CK(&) 8 f } [F4](D [F4]
)%

3Xw [[g X2104 4 ? E ,-? :;[e
$ +5,*+ Z-hi @A.Q ! 6 & i?7\
H hi6 :; x 8 H $ Z-
& i CL

U x

E { | K /K(&) 8 f } [F4](D %)%	[F4]	c /K & V 96 03 15 HR 45 45 49 I ; 0 00 00 7 8 D
r " | - I ; \ ] 7 % " f g N C		1. C 2. C 3. 7 8 4. , -

(1X D (8 ;) . N j : C(
7 8)? ? r } r f : 5 7 8
2X H N j : j
8 7 8 , - ? : ; r < C ? Z V 7 8 W (
R

12.7 4 3 > < : ; = ?

[! ? ; W (D 7 , " h i W ? } f

. : ? ! p c 3 C
? f : J K } > g C j
k E c h i d \| ? Q Q " h i ? w ? f f _

%

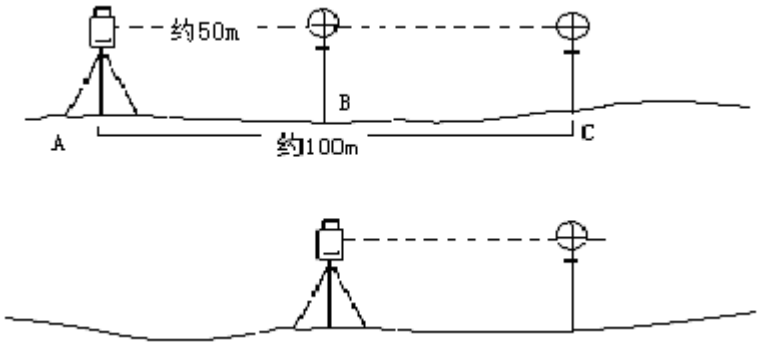
, -

1 \| M n
2 \| r
3 \| q
4 \| UV

• > h i 4 6 [MENU] % [6] [MENU]
C [6]



M %[6](C) 5 j k[3] (7 [1]
8) [2]

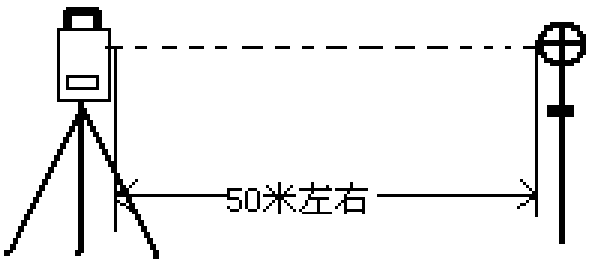


UZ[

2 hiLMK S} 7. o $ V C hi LM E LMKZ 78

8 hi? $ 2 %X=X, : = _ : $ H1?
8= JK)hi r r D W? :3% d = A< (?yz F3JK Si yz A<y z = g JK<hi?yz !

12.10 3)+GrM3=< U



UWX

1X Ehi50 's8HIJK
2X {|K# $ f HIJK
3X 4t DE23 [AE]([X

9:zg y t DEO G *+9'? < ?
DE? ItO ?
4X {|K# $) ItO r y y
UZ[
{|K# $) ItO Q !H C

☞12.11 CHIBC

){|K ? JKDE?F O r[{|K ? Vhi.
F O) ! !I +gXQQ?RV $ (
O)
8 DEc O ? (DE
***+h**
: O Lr ?
-.h
:: O k k ?HIO (D 8V
UW\h
ehi|V?HIG[w hi r 5 <20 ' hi8 g
O'({|K# $ HIG P F O ? 8 J
{|K ? Oi ks {|K O {|K HIGD
F O)HIG# ? c W
V O)# 7~• W V ? 8)#
c6 !H~•
8 V O HI ' : d[

12.12 WXDEF

V g ! ~•yz ~• ? C $ • $
?Y $W

12.13 FGHIG3HI"

HIJKyz Si
yz Si ? = i<O ir Cf 12.1 <
12.7 ? 7
9:
12.K - - , +0,] ,,• : g

% L<M % # ?N<O ~•L,M? W = iR*C
# |?% s88>hi # $,] => g y
P{|K !> =>$ } /I% L > g2
$,X> i # $

his8 (# ?= ? /I% M
?> , ?# $
hi %= ? .9: . ? = i?R* c
~• = i ? BC $ R*C ? 7
5 :2 9:7 R*#C

Q5P\]RG

☞AB67(6

	NTS-382/5R4/6/8/10/12
FG	F O
Q	0.650 0.690 Rm
EDM FG	
de,-	0.1mm
OOS	23 <7T 14T/20m
	23 <10T 20T/50m
R! C	MfgBC9 ifgBC
QR^O<_`abBC	MfgBC
JKLM C	MfgBC
Ec	9 / / - j
M ,-	dQ 99999999.999m de0.1mm
>iD M	jU2 5 ?>iZ

9K=

@/\|}m NTS-382/5R4 u ~

23

DE 3	DE	D
JK D	d(202 10^{-6} D)44	20.3s
JK	d(502 10^{-6} D)44	20.1s
HIG	d(202 10^{-6} D)44	20.3s

23(} U [: 90%HIb)

DE 3	D	DE	D
D	<200m	d(302 10^{-6} D)44	J 0.3-3 / -3
D	<200m	d(502 10^{-6} D	

200m d.O2 10^{-6} D)44. 0 TD -Me4 0 TD (/) Tj/F/F4.96 Tf9.

2 3(} U [: 90%H I b)

D E 3	D	D E	D
D	<300m	d(302 10^{-6} D)4 4	J 0.3-3 / dQe 10 /
D	>300m	d(502 10^{-6} D)4 4	dQe 10 /
	<300m	d(1002 10^{-6} D)4 4	J 0.3-3 / dQe 10 /
	>300m	d(1002 10^{-6} D)4 4	dQe 10 /

@ / | } m NTS-382/5R8 u ~

2 3

D E 3	D E	D
J K D	d(202 10^{-6} D)4 4	20.3s
J K	d(502 10^{-6} D)4 4	20.1s
H I G	d(202 10^{-6} D)4 4	20.3s

2 3(} U [: 90%H I b)

D E 3	D	D E	D
D	<400m	d(302 10^{-6} D)4 4	J 0.3-3 / dQe 10 /
D	>400m	d(502 10^{-6} D)4 4	dQe 10 /
	<400m		

DE 3		DE	D
JK D		d(202 10^{-6} D)44	20.3s
JK		d(502 10^{-6} D)44	20.1s
HIG		d(202 10^{-6} D)44	20.3s
23(} U [: 90%HIb)			
DE 3	D	DE	D
D	<600m	d(302 10^{-6} D)44	J 0.3-3 / dQe 10 /
D	>600m	d(502 10^{-6} D)44	dQe 10 /
	<600m	d(1002 10^{-6} D)44	J 0.3-3 / dQe 10 /
	>600m	d(1002 10^{-6} D)44	dQe 10 /
6 O			
@/|}m NTS-382/5R4 u~			
23			
QRT"		JK	HIG(60*60)mm
V ~ QR<g (W<40 `&		5000m	400m
23			
QRT"		HIi/: 1D1	HIi[W0.18D2
V ~ QR<g (W<40 `&		400m	200m
@/|}m NTS-382/5R6 u~			
23			
QRT"		JK	HIG(60*60)mm
V ~ QR<g (W<40 `&		5000m	600m
23			
QRT"		HIi/: 1D1	HIi[W0.18D2
V ~ QR<g (W<40 `&		600m	300m
@/|}m NTS-382/5R8 u~			
23			
QRT"		JK	HIG(60*60)mm
V ~ QR<g (W<40 `&		5000m	800m
23			
QRT"		HIi/: 1D1	HIi[W0.18D2
V ~ QR<g (W<40 `&		800m	400m
@/|}m NTS-382/5R10 u~			
23			
QRT"		JK	HIG(60*60)mm
V ~ QR<g (W<40 `&		5000m	1000m

2 3		
Q R T "	H I i / : 1D1	H I i [W 0.18 D2
V ~ Q R < g (W < 40 ` &	1000m	500m
@ / | } m NTS-382/5R12 u ~		
2 3		
Q R T "	J K	H I G(60*60)㎜
V ~ Q R < g (W < 40 ` &	5000m	1200m
2 3		
Q R T "	H I i / : 1D1	H I i [W 0.18 D2
V ~ Q R < g (W < 40 ` &	1200m	600m
D1 U [: 90% H I b	D2 U [[18% H I b	

☞ - t R G

	NTS-382R4/6/8/10/12	NTS-385R4/6/8/10/12
< = 6 7		
D ; 3	3	
m & : h	79㎜	
d e , - T M	0.1 / 1 / 5 j	
f W	2	5
W D 3	= > & h	9 : & h
• 补 A		
0	C 0	
K Th	48 4 4	
r Q b	! 7	
& ;	! 7	
d e Y E c	1.24	
: ; 偿水 &		
	4 O t 3	
	d3	
x b	1	
(9 &		
= i	30 924 4	
= i	8 924 4	
) u m m &		
0	C 0	
r Q b	3	
~ Y	0.54 X	

Q ; P ^)

8 v p

8 k 6

8 6 Q t u

8 x t i

8 SD /64 64 1 1 •

8 USB t

8 " `

8 C Q %

8 X Y

8 B _

8 " `

8 V W

8 % & a b

8 •

8 h i

8 1 •

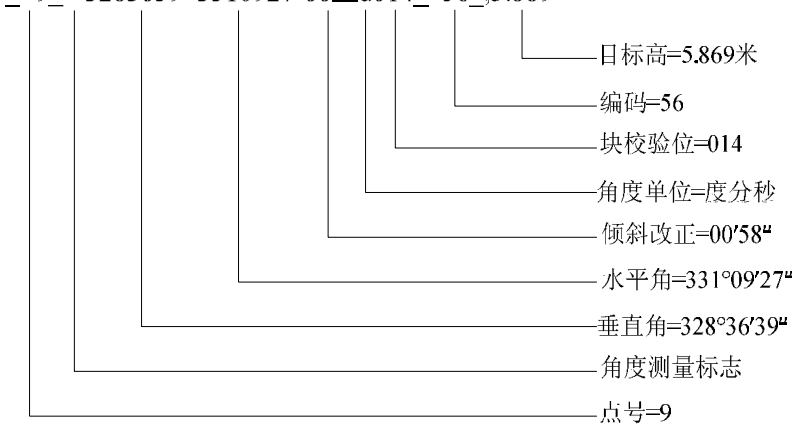
☞ H I G / 20 20 30 30,40 40,60 60 1 1

_ ^ ! A `

1

V7 w 2 Tr 34 -28.8 TD (1) Tf 0 0.2 1 . `

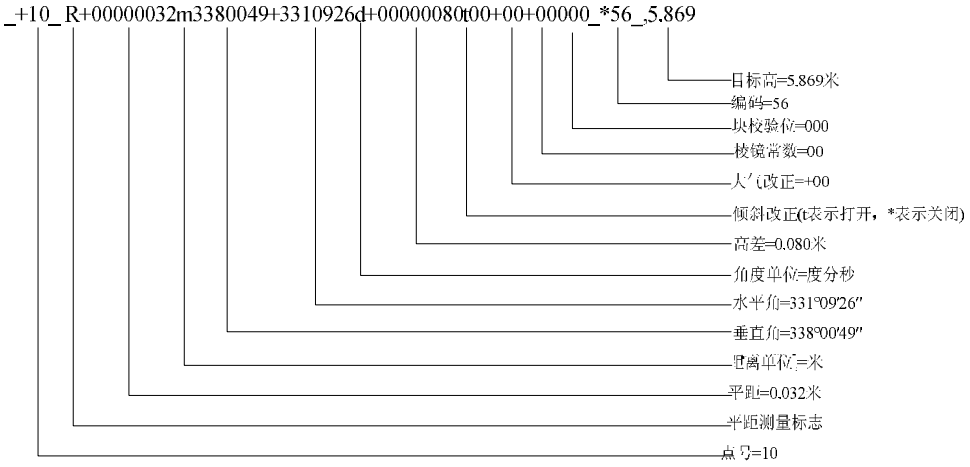
_+9_ <3283639+3310927-00■d014_*56_,5.869



3X E c D M n

> E D

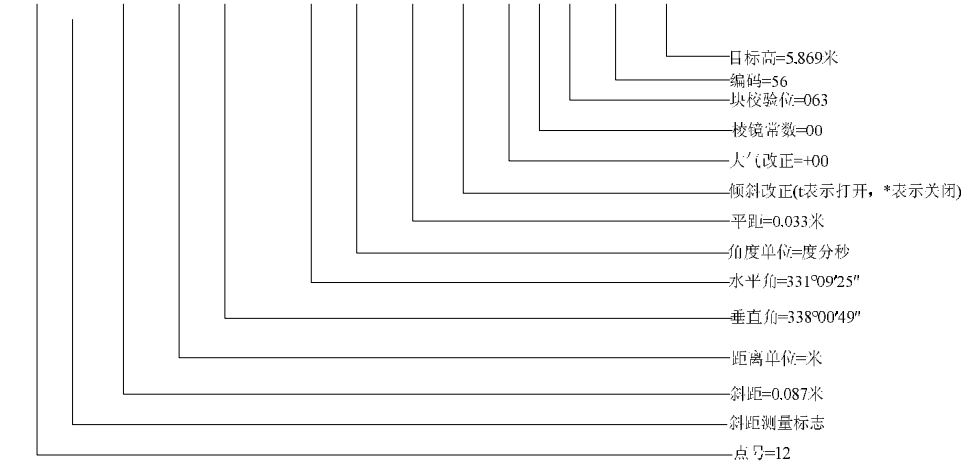
_+10_ R+00000032m3380049+3310926d+00000080t00+00+00000_ *56_,5.869



A E D

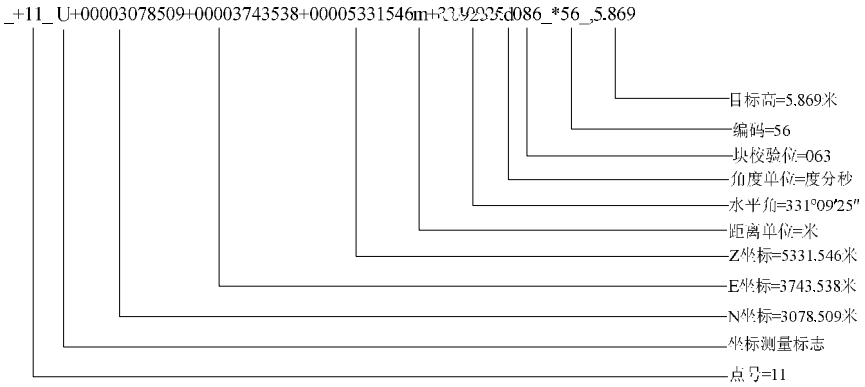
_+12_ ?+00000087m3380055+3310925d+00000033t00+00+00063_ *56_,5.869

_+12_ ?+00000087m3380055+3310925d+00000033t00+00+00063_*56_,5.869



4X D Mn

_+11_ U+00003078509+00003743538+00005331546m+3310925d086_ *56_,5.869



2V ~Kl 1

\]6 ? Mn 3

NTS660 X？h

P E N Z lm

1, 1000.000,1000.000,1000.000, STN

2, 990.000,1010.000,100.000, STN

101,994.890,1000.964,100.113, STN

102,993.936,1007.799,100.800, STN

103 ,998.515,1009.639,100.426, STN

104,1002.068,1002.568,100.342, STN

1001,1004.729,997.649,100.1153, PT

1002,1003.702,990.838,100.799, PT
1003,7911.990,990.358,100.403, PT
1004,997.311,998.236,100.354, PT

NTS300 X ? h

_+1 _ x+01111107396_ y+00000005457_ z+00000003612_+2 _ x+01111107397_ y+00000005457_ z+00000003612_+3 _ x+01111107395_ y+00000005457_ z+00000003612_+4 _ x+00000108916_ y+00000101580_ z+00000100118_

3 V j k 1

v l m ? l m o " l m N

: S d

```
    &
START(F     )       P  E  N
STRAIGHT(:  )         ;  Ec
ARC(  )           gh
SPIRAL(     )     gh    W
PT(  )            E  N[  A1  A2]
                    (A1  A2:  W)
```

```
  1
START(F     )       1000.000,1050.000,1100.000
STRAIGHT(:  )       25.000,48.420
SPIRAL(     )       20.000,20.000
ARC(  )             20.000,23.141
SPIRAL(     )       20.000,20.000
STRAIGHT(:  )       148.300,54.679
```

```
  2
START(F     )       1000.000,1050.000,1100.000
PT(  )              1750.000,1300.000,100.000,80.000,80.000
PT(  )              1400.000,1750.000,200
PT(  )              1800.000,2000.000
```

5V78

e < P \]6 v 9:a Mn 9:a Mn a

W F < ?a W

Mn 3

P W

```
1000.000,50.000,0.000
1300.000,70.000,300.000
1800.000,70.000,300.000
2300.000,90.000,0.000
```

_ ^ ! B ` a b c

j k　　? = >　(　= >　)　　3　Mn

P	0
N	1100.000
E	1050.000

[ENT]%　5 [F4]( )%　　Mn

N	1300.000
E	1750.000
R	100.000
A1	80.000
A2	80.000

+　　Mn

N	1750.000
E	1400.000
R	200.000
A1	0.000
A2	0.000

N	2000.000
E	1800.000
R	0.000
A1	0.000
A2	0.000

+Mn　hi　　\]6　?　3

START　0.000　1050.000　1100.000 CRLF
PT　1750.000　1300.000　100.000　80.000　80.000 CRLF
PT　1400.000　1750.000　200.000　0.000　0.000　CRLF
PT　1800.000　1800.000　2000.000 CRLF

2VZ[　　LM

g \]　<a　W

$$L_{1.2}=\frac{A_{1.2}^2}{R}$$

$L_{1.2}$:　<a　W

$A_{1.2}$:　<a　M

k \ ] l ΔR

$$\Delta R = E - R(1-\cos t)$$

$$\Delta R = 6.777 - 100(1-\cos 18\ \ 20\ \ 06\ \ )$$

$$= 1.700$$

$ j a $\Delta R_1 = \Delta R_2$

m \ ] j

$$N_m = N - R\sin t = 63.348\text{-}100\sin 18\ \ 20\ \ 06\ \ = 31.891$$

$ j a $N_{m1} = N_{m2}$

n \ ] Q

$$D_1 = R\tan(\frac{LA}{2}) + \Delta R_2 \cos ec(LA) - \Delta R_1 \cot(LA) + N_{m1}$$

$LA = +111\ \ 55\ \ 47$ $\cos ec = \frac{1}{\sin}$, $\cot = \frac{1}{\tan}$

$$D_1 = 100 * \tan(111\ \ 55\ \ 47\ \ /2) + 1.7(1/\sin 111\ \ 55\ \ 47\ \ )$$

$$_\ 1.7(1/\tan 111\ \ 55\ \ 47\ \ ) + 31.891$$

$$= 148.06015 + 1.8326 + 0.6844 + 31.891$$

$$= 182.468$$

$D_1 = D_2$

o \ ] KA1 ?

$$N_{KA1} = N_{IP1} - D_1 \cdot \cos a_1$$

$$E_{KA1} = E_{IP1} - D_1 \cdot \sin a_1$$

BP IP1 ? ; $\Rightarrow$ $a_1 = 74\ \ 03\ \ 16.6$

$$N_{KA1} = \ \ 1300\ \ _\ 182.468 * \cos 74\ \ 03\ \ 16.6\ \ = 1249.872\ \text{m}$$

$$E_{KA1} = \quad 1750 _ 182.468 * \sin 74 \quad 03 \quad 16.6$$

$_{2}$ $\cdot \sin a_{3}$

：　KA2　BC= $\sqrt{(1575.068-1444.032)^2+(1536.058-1637.976)^2}$ =166.005　m

：

EC　EP= $\sqrt{(2000-1867.456)^2+(1800-1587.929)^2}$ = 250.084　m

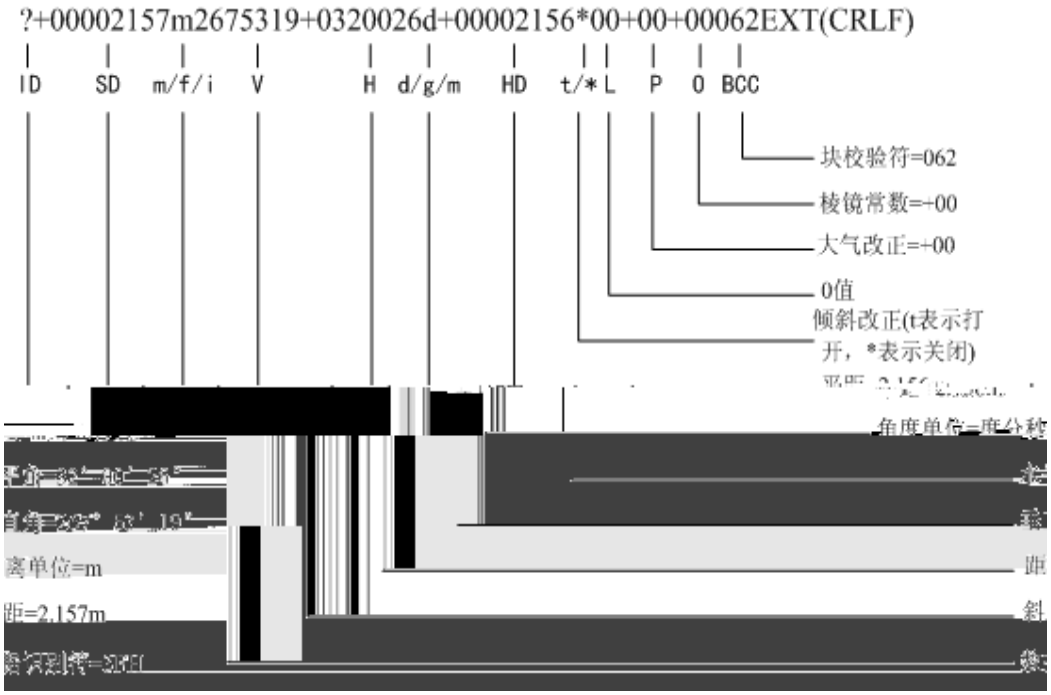
F　　(BP)
　N　　1100.000 m
　E　　1050.000 m
BP < KA1　? :
　　;　　74　03　16.6
　E c　　545.543 m
KA1 < KE1　?　j a
　g h　　-100 m　(+ - , Z - w　　?　　a　　)
　W　　64 m
KE1 < KE2　?
　g h　　-100 m　(+ - , Z - w　　?　　a　　)
　W　　131.354 m
KE2 < KA2　?　j a
　g h　　-100 m　(+ - , Z - w　　?　　a　　)
　W　　64 m
KA2 < BC　? :
　　;　　322　07　30.1
　E c　　166.004 m
BC < EC　?
　g h　　200　(　　j P Z - w　　?　　a　　)
　W　　334.648 m
EC < EP　? :
　　;　　57　59　40.6
　E c　　250.084 m

_ ^ ! C `

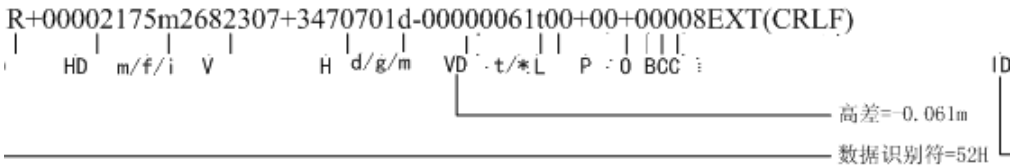
1 VNTS N O P f = K l (1

E c 1mm 2 3 ? M n 3

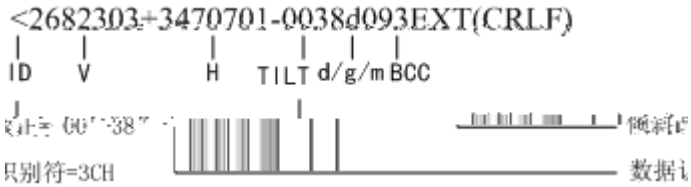
1) A E(SD) 2 3



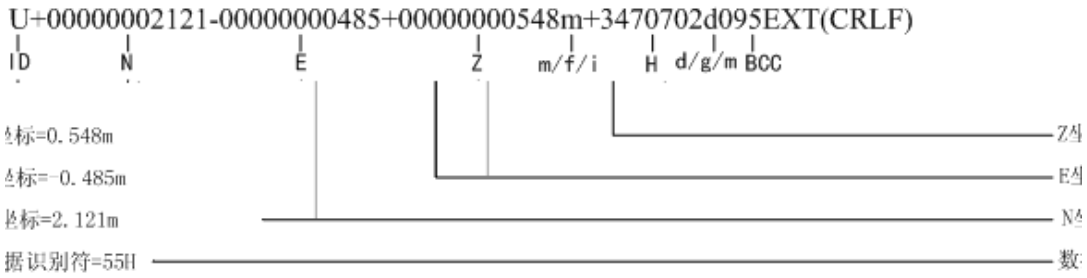
2) > E/ (HD/VD) 2 3



3) ; W(H/V 2 3)

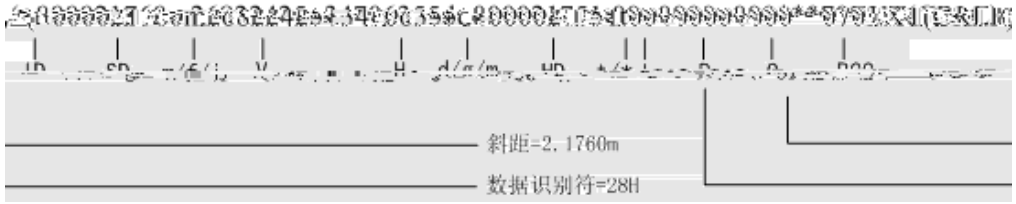


4) (N/E/Z) 2 3

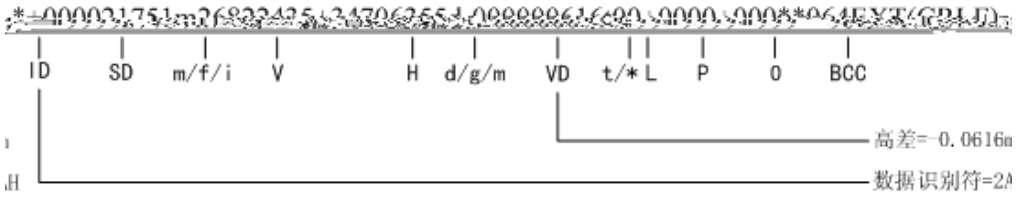


E c 0.1mm 2 3 ? M n 3

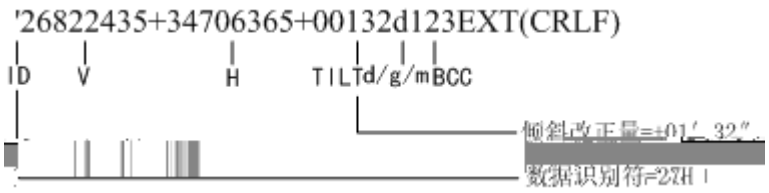
1) A E(SD) 2 3



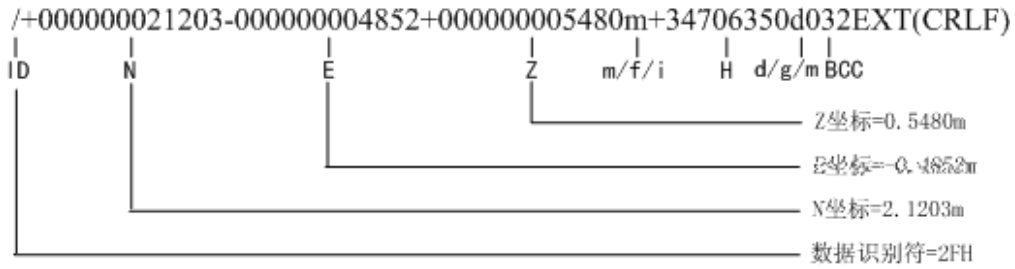
2) > E/ (HD/VD) 2 3



3) ; W(H/V) 2 3



4) (N/E/Z) 2 3



2 V Q R 8 S T U 1

F g D M n \ ] 6

C 067 ETX CRLF

ASCII m 43H 30H 36H 37H 03H 0DH 0AH

c F N r S ? M n r

ACK 006 ETX CRLF

ASCII m 06H 30H 30H 36H 03H 0DH 0AH

NAK 021 ETX CRLF

ASCII m 14H 30H 32H 31H 03H 0DH 0AH

F B D 2 3

2 3

Z10 091 ETX CRLF H/V ; W D

ASCII m 5AH 31H 30H 30H 39H 31H 03H 0DH 0AH

Z12 089 ETX CRLF HR ;

ASCII m 5AH 31H 32H 30H 39H 31H 03H 0DH 0AH

Z13 088 ETX CRLF HL ;

ASCII m 5AH 31H 33H 30H 39H 31H 03H 0DH 0AH

Z32 091 ETX CRLF SD D

ASCII m 5AH 33H 32H 30H 39H 31H 03H 0DH 0AH

Z34 093 ETX CRLF SD D

ASCII m 5AH 33H 34H 30H 39H 33H 03H 0DH 0AH

	Z35	092	ETX	CRLF		SD		D	
ASCII m	5AH	33H	35H	30H	39H	32H	03H	0DH	0AH
	Z42	092	ETX	CRLF		HD	D		
ASCII m	5AH	34H	32H	30H	39H	32H	03H	0DH	0AH
	Z44	090	ETX	CRLF		HD	D		
ASCII m	5AH	34H	34H	30H	39H	30H	03H	0DH	0AH
	Z45	091	ETX	CRLF		HD		D	
ASCII m	5AH	34H	35H	30H	39H	31H	03H	0DH	0AH
	Z62	094	ETX	CRLF		NEZ	D		
ASCII m	5AH	36H	32H	30H	39H	34H	03H	0DH	0AH
	Z64	088	ETX	CRLF		NEZ	D		
ASCII m	5AH	36H	34H	30H	38H	38H	03H	0DH	0AH
	Z65	089	ETX	CRLF		NEZ		D	
ASCII m	5AH	36H	35H	30H	38H	39H	03H	0DH	0AH

*3VV P f)Z[4= W * X*

r h)\]6 ?*P! ( )

元次并

次(复67>?e次 启①补变② 刷②补变 补补重元补补变补②补补补② 启讯讯补补补补② 启讯补变补②补

<--- C 067 ETX
(Nr) --->
<--- C 067 ETX
(Nr) --->
t
t
d7# '

D Mn --->
<--- (Nr)
D Mn --->
<--- (Nr)
t
t
d7# '

变q讯67>?8v UO

1)\]6 hi F
2)hi +C,?BCC .S ? Cf 0.05/ hi \]6 sy *P+ACK,4.S ? Cf hi \]6 Nr*P
3).\]6 0.05/ S fhi?sy*P+ACK, \]6p 5 ?
4) 3)d7(10 \]6 > ,-= *+

NTS \]6
<---- F
ACK 006 ETX ---> '

<--- F
(Nr) --->
<--- F
(Nr) --->
t
t
d7# '

---

u v t 010-67805689
w xOthi `N