

The On/Off key is located on the side cover.

QuickStart
English, Version 1.0
711194-1.0.0en

PtID : M13
hr : 1.600 m
Hz : 236°56'14"
V : 91°12'23"
HD : 123.569 m
<SETUP>

Symbols

▲▲ indicates that several pages are available which can be selected with

SHIFT and SHIFT

Status Symbol "Shift"

↑ SHIFT was pressed or switching between alphanumeric/numeric character set.

EDM -> SHIFT + DIST
Access to distance measuring functions and distance corrections (ppm). (EDM settings).

FNC -> SHIFT + USER
Fast access to advanced functions (EDM Change, REC (storing), Delete last record, Height determination of remote points)

MENU -> SHIFT + PROG
Access to Data Manager, instrument settings and adjustments.

Leica

MADE TO MEASURE

Menu

SHIFT PROG Calling up menu functions.

MENU
1 QUICK SETTINGS
2 ALL SETTINGS
3 DATA MANAGER
4 CALIBRATION
5 SYSTEM INFO
<EXIT>

▲▲ Menu selection.

▲ Execute.

<EXIT> Leave the menu. Back to "Measure".

1 QUICK SETTINGS
Contrast : 50%
Tilt Corr : 1-axis
USER Key : IR-RL
TRIGGER Key: ALL

2 SETTINGS
SYSTEM SETTINGS
ANGLE SETTINGS
UNIT SETTINGS
EDM SETTINGS
COMMUNICATION
TIME & DATE

3 DATA MANAGER
VIEW/EDIT DATA
INITIALIZE MEMORY
DATA DOWNLOAD
MEMORY STATISTIC

4 CALIBRATION
HZ-Collimation
V-Index

5 SYSTEM INFORMATIONEN
Free Jobs
Tilt corr
USER Key
TRIGGER Key
Battery
Instr. Temperature
DSP Heater
Hz-Collimation
V-Index
<Sw>

Funções

Input mode

In the input mode erased fields are filled with text or numerical values.

PRO → PROP

1. Erase input field and activate vertical input bar.
2. Select characters/numbers in the input field.
3. Confirm selected character. Character moves to left.
4. Erase a character.
5. Confirm input

Edit mode

In the edit mode already existing characters are overwritten, deleted or changed.

PREP → PROP

1. Start edit mode. Vertical edit bar is positioned flush right.
2. Edit bar is positioned flush left.
3. Overwrite the relevant character.
4. Erase a character.
5. Confirm input.

Inserting characters

If a character was skipped (e.g. -15 instead of -125) you can insert it later.

1. Place bar onto number "1".

0 1
-15 → -125
2 3 4

2. With SHIFT a character is inserted right of number "1".
3. ▲▲ : Edit the inserted value with the vertical edit bar.
4. Confirm input/change using

Erasing characters

- **Method 1:**
- 1. Place bar onto the character to be erased.
- 2. Erase individual characters by pressing **CE**.

12345

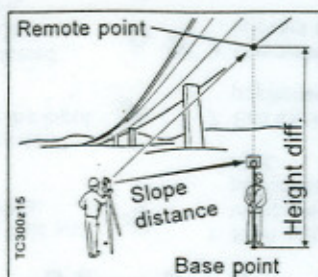
1345

- 3. If all characters are erased the previous value can be activated again by pressing **CE** once more.

• Method 2:

SHIFT **CE** deletes the edited value and restores the previous value. The edit mode is quit.

- function.
- Start the function.



Measure base point:

1. Enter point number and prism height.
2. Trigger distance measurement and indication of horizontal distance (HD) with **<MEAS>**.

3. With the telescope aim at the remote point.
4. Store with "MEAS" measured data of the remote point. No new distance measurement is carried out.

REMOTE POINT Pt2	
Pt1 :	100
Pt2 :	101
dH :	8.346 m
H :	512.042 m
HD :	70.571 m
<EXIT> <NEWBASE> <MEAS>	

Height (H) and height difference (dH) as function of actual V-angle and measured distance to base point are computed and displayed immediately.

Quick Settings

SHIFT **PROG** Calling the menu functions.

QUICK SETTINGS

Execute.

QUICK SETTINGS	
Contrast :	50% ◀▶
Tilt Corr :	1-axis ◀▶
USER Key :	IR-RL ◀▶
TRIGGER Key:	ALL ◀▶
<EXIT> <SET>	

Selection of setting.

E.g.: USER key (**USER**):

Allocation of function from FNC menu.

Dist Modus

Distance measurement (RL: reflectorless)

RL_SHORT	Short range. For distance measurements without prisms with a target distance up to 80 m (3mm + 2 ppm)
RL_TRACK	Continuous distance measurement without prisms (5mm + 2 ppm)
RL_Prism	Long range. For distance measurements with prisms (10mm + 2 ppm)

RL: Visible laser: Distance measurements without prisms up to 80m; with prisms up to 5 km.

Distance measurement (IR: infrared)

IR_FINE	Fine measuring mode for high precision measurements with prisms (2mm + 2 ppm)
IR_FAST	Quick measuring mode with higher measuring speed and reduced accuracy (5mm + 2 ppm)
IR_TRACK	Continuous distance measuring (5mm + 2 ppm)
IR_TAPE	Distance measurement using Retro targets (5mm + 2 ppm)

IR: Infrared: Distance measurements with prisms up to 3 km.

Prism type

SHIFT + **DIST** : Calling the function in the EDM settings.

Leica Prisms	Constants [mm]	
Standard prism GPH1 + GPR1	0.0	
360° prism GRZ4	+23.1	
Miniprism GMP101/102	+17.5	
Reflective targets	+34.4	
USER	--	is set at "Prismconst" (-mm + 34.4; e.g.: mm = 14 -> input = -14 + 34.4 = 20.4)
RL	+34.4	Reflectorless

Wildcard search

- A All points with exactly the point number "A" are found.
- A* all points of any length starting with "A" are found (e.g.: A9, A15, ABCD)
- *1 all points of any length with a "1" at the second place are found (e.g.: A1, B12, A1C)
- A*1 all points of any length with an "A" at the first place and a "1" at the third place are found (e.g.: AB1, AA100, AS15)

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