

ENGLISH

GENERAL SPECIFICATIONS

Klein Tools 93LDM100C Laser Distance Measure is able to take single or continuous measurements at distances up to 100' (30.5 m).

- **Units:** Inches / Feet & Inches / Meters
- **Laser Class:** Class 2
- **Laser Type:** 630 to 670nm, <1mW
- **Measurement Range*:** 0.17 to 100' (0.05 to 30.5 m)
- **Accuracy*:** +/- 1/16" (+/-1.6 mm) for ≤ 32.8' (10 m),
+/- 1/8" (+/- 3.2 mm) for >32.8' (10 m)
- **Beeper Sound:** 60 +/-10 dB
- **Memory / Storage:** 2 stored readings on LCD screen
- **Auto-Off:** Laser: 30 sec. Device: 3 min
- **Operating Temperature:** 32° to 104°F (0° to 40°C)
- **Storage Temperature:** -4° to 140°F (-20° to 60°C)
- **Battery Type:** 2x AAA 1.5V Alkaline
- **Dimensions:** 4.7" x 1.26" x 1.13" (119 x 32 x 29 mm)
- **Weight:** 2.29 oz. (65g)
- **Ingress Protection:** IP54
- **Drop Protection:** 6.6 ft (2 m)

*NOTE: Measurement range and accuracy are based on typical conditions and may deteriorate under unfavorable conditions such as bright sunlight or poor reflectivity.

Specifications subject to change.

⚠ WARNINGS

Read, understand, and follow these instructions to ensure safe operation. Failure to observe these warnings can result in injury.

WARNING: LASER RADIATION. DO NOT STARE INTO BEAM. Class 2 laser.

- Exposing eyes to laser radiation can result in severe and permanent eye injuries. NEVER look directly into the laser beam emitted by this instrument.
- DO NOT use the instrument if it appears to be damaged.
- DO NOT modify the instrument in any way, as to do so could result in emission of hazardous laser radiation than could result in severe eye injuries.
- DO NOT use optical equipment such as lenses, prisms, optical scopes, etc. to transmit, retransmit, or view the laser beam as this could result in severe eye injuries.
- This product should not be used by untrained operators or operators who have not read and fully understood the instructions.
- DO NOT remove warning labels from this instrument as this could result in serious personal injury and increases the risk of exposure to hazardous laser irradiation.
- This instrument is IP54 dust & water resistant. Following any contact with water, thoroughly dry the instrument with a dry, lint-free cloth.
- There are no user serviceable parts in this instrument.

SYMBOLS ON INSTRUMENT

	Warning or Caution		Read instructions		Laser Radiation
	LASER 2 Class 2		Do not stare into beam		Conformité Européenne: Conforms with European Economic Area directives
	UKCA: United Kingdom Conformity Assessment		WEEE – Electronics disposal		Battery type & orientation
	Multi-Function Button quick-reference guide		Multi-Function Button quick-reference guide		Multi-Function Button quick-reference guide

FEATURE DETAILS

Device (FIG. 1)

1. Multi-Function Button
2. Backlit LCD Screen
3. Battery Cover
4. Battery Cover Screw

LCD Display (FIG. 2)

- A. Sound On/Off Indicator
- B. Reference Point Indicator
- C. Battery Status Indicator
- D. Sound On/Off Indicator
- E. Temperature Out Of Range Indicator
- F. Latest Value / Continuous Reading
- G. Value #1
- H. Value #2

CONTINUED ON OTHER SIDE



93LDM100C

Compact Laser Distance Measure – Instructions

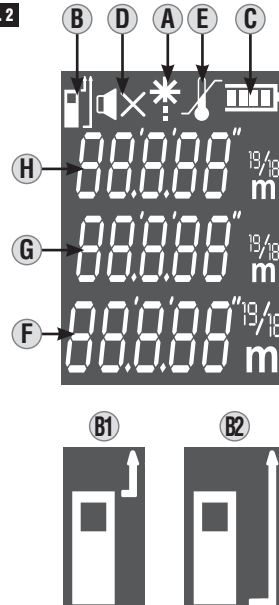
Medidor compacto de distancia láser – Instrucciones

Télémètre laser compact – instructions

FIG. 1



FIG. 2



ENGLISH

OPERATING INSTRUCTIONS

POWERING ON: Press the Multifunction Button (1) to power on the display.

POWERING OFF: Manual Power-Off: Press and hold the Multifunction Button (1) for 3 seconds. **Automatic Power-Off:** The device will automatically power off after 3 minutes of inactivity.

SOUND CONTROL: Press the Multifunction Button (1) 3 times to enter Sound Control Mode. Press the Multifunction Button to toggle between on and off. To exit Sound Control Mode, press and hold the Multifunction Button for 2 seconds.

UNIT OF MEASURE: Press and hold the Multifunction Button (1) for 2 seconds to enter Unit of Measure Control Mode. Press the Multifunction Button to toggle between units. To exit Unit of Measure Control Mode, press and hold the Multifunction Button for 2 seconds.

REFERENCE POINT (FIG. 2): Press the Multifunction Button (1) 2 times to enter Reference Point Control Mode. Press the Multifunction Button to toggle between the reference points. To exit Reference Point Control Mode, press and hold the Multifunction Button for 2 seconds.

When the Top Reference Point Indicator (B1) displays on the LCD, the measurement will be taken from the top of the instrument. When the Bottom Reference Point Indicator (B2) displays on the LCD, the measurement will be taken from the bottom of the instrument.

SINGLE DISTANCE MEASUREMENT: To activate the laser, press the Multifunction Button (1). The Laser On Indicator (A) will blink. Press again to take and record a measurement. The last 3 measurements are stored and displayed on the screen (G, H).

CONTINUOUS MEASUREMENT: To activate the laser, press the Multifunction Button (1). When laser is activated, the device will automatically enter continuous mode and the Laser On Indicator (A) will blink until a single distance measurement is taken or the laser automatically times out (after 30 seconds). When the device is moved too fast to get an accurate measurement, "-----" is displayed. Slow down movement to record measurement.

ERROR MESSAGE TROUBLESHOOTING

Low Battery (FIG. 3): Replace batteries as described in BATTERY REPLACEMENT section.

Temperature Too High (FIG. 4): Use only in temperatures 32° to 104°F (0° to 40°C)**.

Temperature Too Low (FIG. 5): Use only in temperatures 32° to 104°F (0° to 40°C)**.

Low Signal (FIG. 6): Reflected laser beam signal does not reach Laser Distance Measure. Optimum target surfaces will have medium reflectivity, smooth surface, and reflect the laser beam directly to Laser Distance Measure.

High Signal (FIG. 7): The signal exceeds the Laser Distance Measure reception range. This error can occur in bright light conditions due to additional natural or artificial light sources, as well as laser signal bouncing at maximum power into detector. Shiny, highly reflective surfaces could also cause this condition. Use caution to avoid eye exposure to strong reflected laser beam.

Measurement Out Of Range (FIG. 8): Measure between 2' (0.05m) and 100' (30.5m).

****Accuracy cannot be guaranteed outside of recommended temperature range**

BATTERY REPLACEMENT

When the Battery Status Indicator (C) shows no bars and "CHARGE BATT", is displayed (FIG. 3), the batteries must be replaced.

1. Loosen screw (4) and remove Battery Cover (3).
2. Remove and recycle spent batteries.
3. Install two new AAA 1.5V alkaline batteries, noting proper polarity.
4. Replace Battery Cover (3) and secure with screw (4). Do not overtighten.

CLEANING

Be sure instrument is turned off and wipe with a clean, dry lint-free cloth. **Do not use abrasive cleaners or solvents.**

STORAGE

Remove the batteries when the instrument is not in use for a prolonged period of time. Do not expose to high temperatures or humidity. After a period of storage in extreme conditions exceeding the limits mentioned in the General Specifications section, allow the instrument to return to normal operating conditions before using.

DISPOSAL / RECYCLE


 Do not place equipment and its accessories in the trash. Items must be properly disposed of in accordance with local regulations. Please see for additional information.

FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7



FIG. 8

