

Operating instructions for 93190 - ROMUS

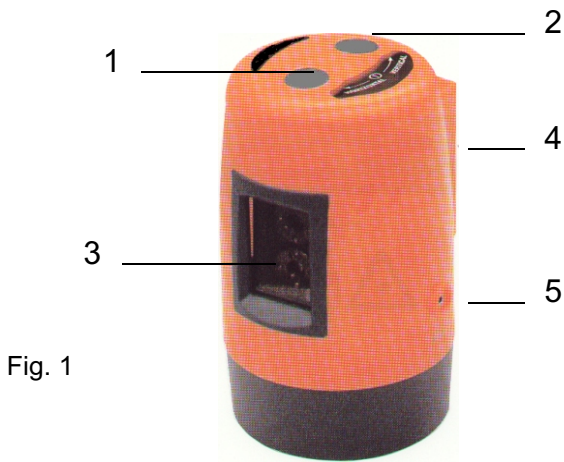


Fig. 1

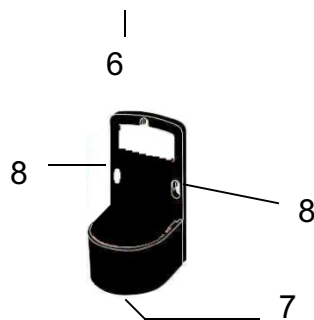
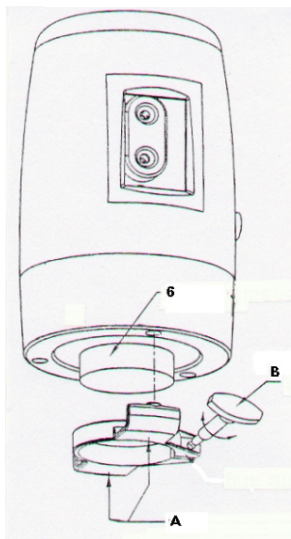


Fig. 2

- | | |
|--------------------------|-----------------------------|
| 1-Horizontal line On/Off | 5-Connection for charger |
| 2-Vertical line On/Off | 6-Compensator lock |
| 3-Laser output window | 7-5/8"-thread for tripod |
| 4-Battery housing | 8-Screw eyes for wall mount |

To fix and remove transport lock:



Put FL 40 in upright position and press clamping ring (A) to bottom of instrument.

Fix clamping ring by turning screw (B) to transport lock (6).

Fig. 3

Remove clamping ring from transport lock (6) as described below (Fig. 3) and put instrument with or without mounting bracket (Fig. 2) on a flat smooth surface. By doing so the oil damped compensator is automatically released. Press *horizon* (1) and *vertical* (2) and the unit is ready for use.

Important:

- **Do not press transport lock (6) when the instrument is upside-down or extremely tilted.**
- **Transport of instrument and wall-mount separately in provided space of original carrying case only.**
Disregard may lead to leakage of damping oil and damage of unit.

Take special care:

- Recheck instrument in certain intervals and before important measurements.
- Transport only in original protective container.
- Clean instrument and laser output window only with soft cloth.
- Do not use paint thinner or other cleaning solvents.
- Do not stare into laser beam.**

Testing accuracy of line of sight:

Set up instrument in the middle of two walls which are about 5 m apart. Press buttons *horizon* (1) and *vertical* (2). Mark visible laser cross on one wall. Turn unit to opposite wall and mark laser cross. Repeat measurements with distance of about 0.6 m to one wall and about 4.4 m to second wall. Deviation between two measurements taken from the centre and two measurements taken at 0.6 m and 4.4 m must not exceed 2 mm.

Testing horizontal beam level (end to end):

Set up instrument about 5 m from a wall. Press both *horizon* (1) and *vertical* (2) and mark laser cross on wall. Turn instrument until the laser cross has moved about 2.5 m to the left side and check if horizontal line is within 2 mm of laser cross marked on wall. Repeat measurement by turning instrument to the right side.

Technical data:

Accuracy: 3 mm at 10 m
Working range: approx. 10 m, depending on illumination of working area

Self-levelling range: 3.5°
Operating temp.: - 10° C to + 50° C

Laserdiode: Two 635 nm laserdiodes

Laserclass: 2

Power: 3 x 1,5V AA

Weight: Instrument with wall bracket 0.9 kg
Carrying case 0.3 kg

Standard outfit: Wall-Liner FL40 with wall bracket, batteries and padded carrying case.