

Technical Data

Working range (typical)	100 ft (30m)	Laser class	2
Leveling Accuracy		Laser type	635 nm, <1 mW
Minimum Factory Accuracy	up to 1/8-in at 30 ft (up to 3 mm/10 m)	Tripod mount	1/4-20
Typical Accuracy	up to 1/16-in at 30 ft (up to 2 mm/10 m)	Batteries	3 x 1.5 V LR6 (AA)
Self-leveling range (typical) alongside the:		Operating lifetime, approx.	24 h
– lateral axis.	±3°	Weight	0.5lb (0.25kg)
Leveling duration, typically	<3s	Dimensions.	4-1/8" x 3-1/8" x 1-5/8" (105 x 80 x 42 mm)
Operating temperature.	14 °F... 104 °F (–10 °C ... +40 °C)	Please observe the article number on the type plate of your tool. The trade names of the individual tools may vary.	
Storage temperature	–4 °F... 158 °F (–20 °C ... +70 °C)	The tool can be clearly identified with the serial number 7 on the type plate.	
Relative air humidity, max.	90 %		

Operation

Initial Operation



WARNING Protect the tool against moisture and direct sun irradiation.

Do not subject the tool to extreme temperatures or variations in temperature.

As an example, do not leave it in vehicles for longer periods. In case of large variations in temperature, allow the tool to adjust to the ambient temperature before putting it into operation. In case of extreme temperatures or variations in temperature, the accuracy of the tool can be impaired.

Avoid heavy impact or falling of the tool.

After heavy exterior impact on the tool, an accuracy check should always be carried out before continuing to work (see “Leveling Accuracy”). Do not use the tool when the laser emitting cover has been damaged after heavy exterior impact on the tool. Many accidents are caused by poorly maintained tools.

Switch the tool off during transport. When switching off, the leveling unit, which can be damaged in case of intense movement, is locked.

Switching On and Off

To **switch on** the tool, slide the On/Off switch **4** upward so that “**I**” is indicated on the switch. Immediately after switching on, the tool sends a laser beam out of each exit opening **1**.

Do not point the laser beam at persons or animals and do not look into the laser beam

yourself, not even from a large distance.

To **switch off** the tool, push the On/Off switch **4** downward so that “**0**” is indicated on the switch. When switching off, the leveling unit is locked.

Setting the Automatic Switch-off

By default, the tool automatically shuts off 20 minutes after being switched on. The automatic switch-off can be set from 20 minutes to 8 hours. For this, switch the tool on, then immediately off, and then on again within 4 s. To confirm the change, all laser beams will flash quickly for 2 s after switching on the second time.

Do not leave the switched on tool unattended and switch the tool off after use. Other persons could be blinded by the laser beam. When switching on the tool the next time, the automatic switch-off is set to 20 minutes again.

Working with Automatic Leveling

Position the tool on a level and firm support, attach it to the holder **8** or to the tripod **18**.

After switching on, the automatic leveling function automatically compensates irregularities within the self-leveling range from ±5° (longitudinal axis) and ±3° (lateral axis). The leveling is finished as soon as the laser points do not move any more.

If the automatic leveling function is not possible, e.g. because the surface on which the tool stands deviates by more than 5° (or 3° from the horizontal plane) the laser beams flash rapidly.