



Laser Telemeter

FAD100-BC

**Weight**

100 g (excluding cables)

Range

100 m (sunlit white wall, 45 readings per second)

Resolution

1 cm

Update rate

388 readings per second (maximum)

Accuracy

±10 cm

Outputs & interfaces

RS232 (Opzioni : RS422, TTL, I2C, 4...20mA)

Power supply voltage

24.0 V ± 0.5 V

Power supply current

DC 110 mA

Laser power

2 mW - Class 1M

Dimensions

100 mm x 80 mm x 40 mm

Operating temperature

-30 ... +50°C

Approvals

FDA: 1710193-000 (2017/02) CE (pending)

Housing

Aluminium

Optical aperture

28 mm x 15 mm

Beam divergence

0.2°

Lens material

Glass

Connections

Binder 8 pole, snap-in locking

Enclosure rating

IP 67

The FAD100-BC is a laser range finder to measure distances up to 100 m with an excellent accuracy.

The range finder works based on time of flight measurement. It emits a pulse light which is diffusely reflected back from the target.

A distance measuring cycle can be triggered in three different ways:

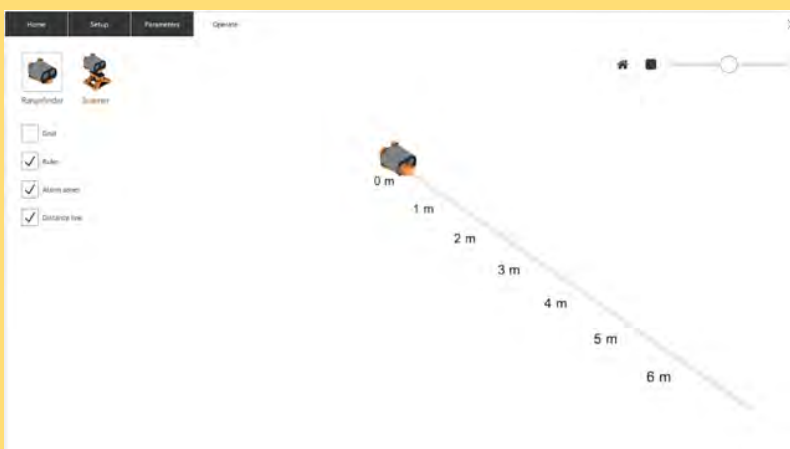
- By sending a command from the PC or another equivalent control unit.
- By making appropriate prior parameter settings for the auto start command and applying supply voltage.

For a more detailed description of this two trigger options, you should consult the manual. Operating Modes of this User Manual.

Special performance features are:

- Provides high accuracy and great reach under extreme outdoor temperatures.
- Features consistently low power consumption of <1.5 W.
- Up to 100 m reach for distance measurement.
- Invisible laser beam for easier sighting.
- RS232 interface port for input of measuring functions and commands from, and output of measured values to, a PC or a laptop.
- Switching output with adjustable limit to indicate positive and negative excession of preselectable distance range window by sighting distance.
- Measured values can be displayed in meters, decimetres, centimetres, feet, inches due to.
- Option for remote triggering of a measurement from an external trigger device.
- Information of temperature and reflectance.

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