

# Data sheet



The LIGHTNING 2 high performance laser detector is designed to receive reference elevation information from rotating laser levels emitting invisible infrared laser beams as well as visible red beams.

The detector includes a Liquid Crystal Display (LCD) on the front and rear for easy visual indication of detector status and grade information. Bright, multi-color LED's on the front provide additional visual indication of grade reference. A beeper emits an audible tone that indicates on-grade, high or low. Accuracy levels are user selectable to meet various job requirements.

The LIGHTNING 2 detectors have been specifically designed for use in harsh, loud construction environments. Impact resistant housings, recessed windows, waterproof design, durable battery contacts, and a high volume beeper are incorporated into every detector. Strobe rejection technology is also included that detects strobe lights and rejects their input on laser reception and detector displays.

A general purpose clamp is designed to mount the detector on various grade rods and staffs. The clamp can be mounted to round, oval, square, and rectangular rods, as well as various sizes of wooden staffs.

## Specifications

Working Radius:	Up to 1500 ft. (300m)
	Laser Dependent
Beam Reception Range:	± 45°
Beam Window Height:	2" (50 mm)
Detectable Spectrum:	610nm to 900nm
Beam Sizes Received:	1/8" to 3/4" (4 mm to 19 mm)
Detection Accuracy:	
Zero:	± 0.004" (± 0.1 mm)
Fine:	± 0.039" (~±1/32") (± 1 mm)
Medium:	± 0.079" (~±1/16" (± 2 mm)
Wide:	± 0.118" (~±1/8") (± 3 mm)
Display Channels:	11
Beeper Volumes:	High: 90+ dBA
	Low: 70 dBA
	Off
Power Supply:	2 x 1.5V "AA" Batteries
Battery Life (alkaline):	70+ hours, LED's Off
	50+ hours, LED's On
Operating Temperature:	-4° F TO +140° F
	(-20° C to +60° C)
Storage Temperature:	-40° F TO +158° F
	(-40° C to +70°C)
Automatic Shut-off:	30 minutes / no use
Weight (with batteries):	16 ozs. with clamp (0.45 kg)
Dimensions (HxWxD):	6.4 x 2.9 x 1.14 in.
	(163 x 74 x 29 mm)

*\*Specifications subject to change without notice*



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# LIGHTNING 2 Premium Laser Detector