LRF-6001

LASER RANGE FINDER

The LRF-6001 is a handheld device developed to military standards that allows the monitoring of targets at long distances with the help of its optical system and can measure the distance of these targets using invisible wavelength laser beams.

Gempa
Elektro Mekanik Müh. Ltd. Şti.

GENERAL FEATURES

- Range capability: up to 6000m
- Specified performance: 3600m (at visibility 10km, 2,3 x 2,3m NATO target, albedo 0,3)
- Laser class: class 1 (eye safe, IEC 60825-1: 2014 ED. 1550nm)
- Optical magnification: 6,5x
- Units: meter / yard
- Wireless: bluetooth 4.0
- Digital magnetic compass (azimuth and inclination)
- Weight (without batteries and housing): 750g
- Dimensions (HxWxL): 60mm x 100mm x 130mm
- Nitrogen filled: yes
- Battery: standard CR123A 2x3V
- Battery capacity: >5000 measurements
- Body of device: 6000 series aluminium
- Reticle: illuminated optical reticle

ENVIRONMENTAL SPECIFICATİONS

- Tested to MIL-STD-810H
- Operating temperature: -35°C / 50°C
- Storage temperature: -40°C / 70°C
- Waterproof: 1m, 60 minutes
- Vibration: 3g / 30min / xyz

DIGITAL MAGNETIC COMPASS

- Heading range: 360˚
- Heading accuracy / resolution: 2˚ RMS / 0,1°
- Tilt range: 90˚
- Tilt accuracy / resolution: 1˚ RMS / 0,1°

TECHNICAL SPECIFICATIONS

- Time per measurement: 1,8s (full performance)
- Field of view (FOV): 6°
- Dioptric setting: +4 to -4 diopters
- Lens coating: anti-reflective coating
- Exit pupil diameter: 4,6mm
- Measurement accuracy: ±1m
- Minimum measurement distance: 20m
- Azimuth accuracy: 2˚ RMS
- Inclination accuracy: 1˚ RMS
- Laser type: diode laser
- Laser wavelength: 1550nm
- Laser divergence: 1,25mrad

DATA INTERFACE

- Standard interface type: RS232
- Wireless: bluetooth 4.0
- Interactive mobile interface for bluetooth

DISPLAY

- Number of pixels: 304x256pixel
- Pixel pitch: 12µm x 12µm
- Automatic luminance control
- OLED-on-CMOS technology (red monochrome)

ACCESSORIES

- Shock absorber rubber cover
- User's manual
- Carry bag
- Lens cleaning tissue
- Tripod (optional)