



PHT-LRF-7047

LASER RANGE FINDER (LRF)

The LRF 7047 is a robust laser range finder with a performance up to 30 km. Even in difficult measuring conditions objects can be tracked and positioned accurately.

The continuous measuring rate of up to 10 Hz by default allows accurate tracking of objects with nearly no loss in range performance or heat related beam wander. Combined with an excellent measurement accuracy of ± 1 m, the target object's position can be quickly and easily determined

KEY FEATURES

- Robust laser rangefinder up to 30 km
- High measuring accuracy of ± 1 m
- Reliable long-range measuring.

TECHNICAL SPECIFICATION

Maximum Range	30,000m
Range Performance on Beamfilling Target (reflectivity: 60 %, observer visibility 50 km)	$\geq 20,300$ m (23,600m nominal)
Range Performance on Beamfilling Target (reflectivity: 60 %, observer visibility 25 km)	$\geq 16,700$ m (19,000m nominal)
Range Performance on 2.3 x 2.3 m Target Size (reflectivity: 30 %, observer visibility 25 km)	$\geq 10,000$ m (11,000m nominal)
Range Performance on 1 x 1m Target Size (reflectivity: 10 %, observer visibility 10 km)	$\geq 5,100$ m (5,600m nominal)
Range Accuracy (1 σ)	± 1 m
Repetition Rates (customisation possible)	Full range performance = 1Hz Approx. 90 % of full range performance = 3 Hz Approx. 85 % of full range performance = 5 Hz Approx. 80 % of full range performance = 10Hz
Multiple Target Detection	Up to 5 targets
Wavelength	1550 nm
Divergence	0.45mRad
Pointer Wavelength	830 nm
LRF Eye Safety per IEC 60825-1	Laser Class 1
Pointer eye safety per IEC 60825-1	Laser Class 3b
Input Voltage	8v to 24v
IP Rating	IP67
Housing Material	Iridited aluminium, white powder marine grade paint finish
Temperature Range	30°C (-22°F) Up to 65°C (149°F)
Weight (Typical)	5Kg / 11lbs
Dimensions (Typical)	L270 x W138 x H 166mm

PART NUMBER

PHT-LRF-7047	Laser range finder, 5.6km (1m x 1m Human target), 11km (2.3m x 2.3m Nato target), 23.6km (extended beam filling range)
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