

# FLIR MLR100™

## Miniature Laser Rangefinder/Altimeter

The MLR100 miniature laser rangefinder accurately determines the distance to fast moving objects or vehicles. The MLR100 has capabilities better than 100 meters typically with resolution better than 20 cm and ranging rates of up to 500 Hz. Typical applications include unmanned aerial vehicles where height above ground or collision avoidance sensor systems are needed and weight and space are at a premium.

### Features:

- Weighs 22 g (0.8 oz)
- Consumes < 400 mW (@ 255 Hz)
- Up to 500 Hz ranging rate
- Resolution better than 20 cm
- System customization and data processing options available
- Ranges from 0 cm to beyond 100 m

### SWaP Minded

Size



32 x 32 x 41 mm

Weight



<22 grams

Power



<400 mW Ranging

### Applications:



Unmanned



Robotics

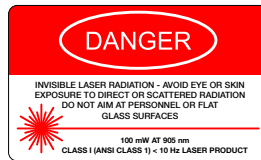
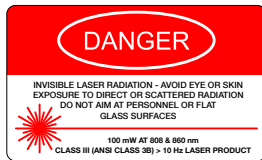
## Specifications

PARAMETER	VALUE
Wavelength	905 — 940 nm
Range	~ 0 cm to > 100 m
Resolution	< 0.2 m
Divergence angle	10 × 10 mrad
Electronics interface	3-wire clocked serial
Weight	22 g
Size	32 x 32 x 41 mm
Power consumption	400 mW @ 255 Hz
Pulse Repetition Frequency (variable)	Up to 500 Hz
Interface	RS.232
Laser Safety	Class 1 under 10 Hz

## Available Accessories

- RS232 Communications Board
- Protective Window
- Mounting Flange

## ITAR



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16-0423-OEM-MLR100