

LRF MICRO 1550 CI

LASER RANGEFINDER



Designed for OEM integration, Newcon Optik's LRF MICRO 1550 CI module provides accurate measurements for fire control systems, industrial machinery, border surveillance stations, weapon mounted systems and countless other applications. The MICRO 1550 CI unit is barely larger than a deck of cards. The LRF MICRO 1550 CI is one of four members of the MICRO family (MICRO, MICRO CI, MICRO 1550).

The unit ranges accurately out to 5.500m (2,000 to NATO target) and utilizes a 1550nm laser that cannot be seen by image intensified night vision systems, making it ideal for defense applications. The MICRO series supports the USB interface. Other features include gating capability, fast scan mode, speed measurement, and object selection among others.

Rangefinder	LRF MICRO 1550 CI
Eye safety	Class 1, eye-safe
Wavelength (nm)	1550
Specific measurement range, (m):	
Vehicle size NATO target, 2.3 x 2.3, albedo 0.3	3,000
Human size NATO target, 1.0 x 1.0, albedo 0.1	1,000
Conditions: Visibility ≥ 14 km	
Distance measurement accuracy (m)	± 1
Azimuth measurement accuracy ($^{\circ}$)	± 1
Inclination measurement accuracy ($^{\circ}$)	± 1
Beam divergence, mrad	1.6 x 0.4
Speed detection	✓
Measuring time, distance (seconds)	0.1 - 0.7
Simultaneously detected targets	Multiple
First/last target logic	✓
Gating capability	✓
Gating step (m)	100
Mechanics, Electronics & Environmental	
Dimensions without compass (mm)	88x48x30
Weight (g)	120 (CI)
Interface	UART, USB
Power source	5 - 15V DC
Operating temperature range ($^{\circ}\text{C}$)	-40 to +50
Storage temperature range ($^{\circ}\text{C}$)	-40 to +60

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DELIVERY SET

Supplied with the following standard accessories:

- Communication/power cable
- LRF communication protocol documentation
- Operation manual
- Hard transport case

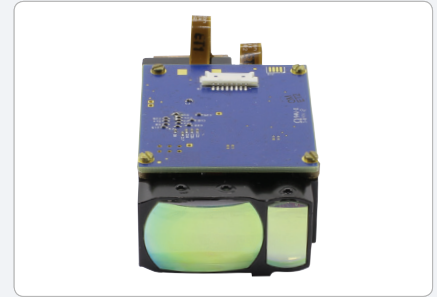
ACCESSORIES



Delivery Set



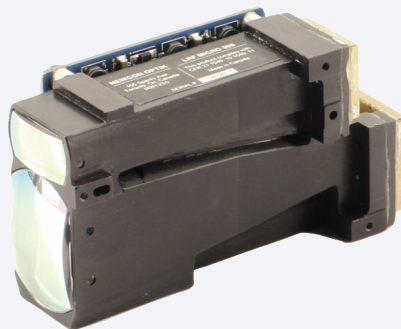
Back View



Rear View



Typical use of LRF MICRO (1550) CI
Image courtesy of IEC infrared systems



Canadian Loonie shown for comparison