

Optical Fiber Laser

Laser Range Finder

OFL-LCM-20CP

The LiComm Laser Range Finder OFL-LCM-20CP is a full-functioning Range Finder with control circuitry packaged inside. The OFL-LCM-20CP offers exceeding shooting times as its unique all fiber laser technology. The OFL-LCM-20CP has a capability of finding up to 20km distance object and calculating accurate distance.

High reliability and modular package type reduce the maintenance cost for the OFL-LCM-20CP and make it especially suitable for the applications for highly reliable electric optical tracing system for moving target.

Features

- Compact size (300 x 170 X 155 mm)
- High reliability and exceeding shooting times
- High repeat rate
- Negligible maintenance Cost
- Maximum measuring range up to 20km
- Laser module including electric control circuit
- Measuring resolution min. 2.5m
- Control & monitor by RS232 or RS422
- Single + 28V power supply

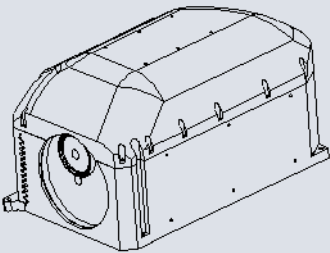
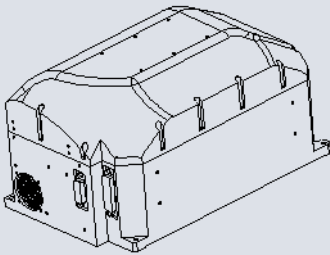
Applications

- EOTS
- Moving target Range finding



Optical Fiber Laser **Laser Range Finder**

Mechanical Dimension (300 x 170 X 155 mm)



Optical Characteristics

Parameter	Symbol	OFL-LCM-20CP	Unit
Laser Wavelength	λ	Typ. 1565	nm
Max. Measuring Range	D_{max}	20	km
Min. Measuring Range	D_{min}	0.2	km
Measuring Rate	R	Typ. 10	Hz
Measuring Resolution	D_{res}	2.5	m
Measuring Accuracy	D_{acu}	Max. 5	m
Target Discrimination	D_{dis}	20	m

Electric & Environmental Characteristics

Parameter	Typical Value
Power Supply Voltage	+28V
Interface	RS232 or RS422
Operating Case Temperature	- 10 ~ 50°C
Storage Temperature	- 40 ~ 85°C
Storage Humidity	5 ~ 90% R.H
Power Consumption	Max. 60W

Ordering Information

OFL - LCM - 20CP

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