



ORL 3B Optical Return Loss Test Set

The ORL 3B is a handheld fiber optic test and measurement instrument that offers two modes of testing. It performs optical return loss measurements (ORL mode) and operates as an optical power meter (OPM mode).

The ORL 3B can store up to 1000 records (40 files) in any combination of its two operating modes. With the supplied PC software, saved test results can be transferred to a PC for storage, printing, and analysis. The ORL3B operates from an internal rechargeable Lithium-Ion battery pack or external AC power adapter.

Features

- Rugged, handheld, designed for field use
- Provides 850/1300 nm Return Loss and OPM testing
- Up to 1000 test records (40 files) storage and download
- Free Windows® compatible software to view, print, and archive test records
- Lithium-Ion or AC adapter
- Cost-effective, easy to use

Ordering Information

Model	Includes
All ORL 3B models	(1) ORL 3B, protective rubber boot, PC software, adapter cap of the same connector type as the transmit port, user's guide, and carry case.

When ordering, specify transmit port connector type after the model number, for example ORL3-MM-SC.

Specifications

ORL specifications	ORL3-MM
Calibrated wavelengths (nm)	850, 1300
Output power (dBm)	-20
Emitter type	LED
Safety class	Class 1 (IEC 60825 - 1)
ORL dynamic range (dB)	40
Measurement units	dB, dBm, μW
Available connector types	ASC
OPM specifications	
Calibrated wavelengths (nm)	850, 1300,
Detector type	InGaAs
Measurement range (dBm)	+6 to -70
Resolution	0.01 dB
Accuracy @ -10 dBm @ 25°C	± 0.25 dB
Measurement units	dB, dBm, μW
general specifications	
Display type	128 X 64 dot matrix liquid crystal display, w/LED backlight
Dimensions, without boot (H x W x D)	19.5 X 10.1 X 5.7 cm (7.67 X 3.97 X 2.25 in)
Weight, without boot	0.907 kg (2 lbs.)
Operating temperature	0 to +50°C, 90% RH (non-condensing)
Storage temperature	-20 to +60°C, 95% RH
Power	Lithium-Ion or AC Adapter
Battery life (typ.)	32 hours
Li-Ion battery pack charging temp.	-10 to +45°C

Note: Li-Ion battery pack charging time will increase by 25% at a temperature below -5°C.

Important: Do not charge the Li-Ion battery pack at a temperature above +45°C.

