

# LEA-152

## OPTICAL MULTIMETER



### MULTI-

### WAVELENGTH

Precise testing on 10 frequencies

### Presentation

The **CXR LEA152** is positioned as an indispensable measurement tool for telecommunications network professionals. Designed to combine precision with ease of use, this optical multimeter offers rare versatility by consolidating several test instruments into a single compact and robust housing.

### CONFIGURABLE THRESHOLDS

Pass/Fail threshold settings for instantaneous diagnostics

### Performance and Automation

The LEA152 series stands out for its embedded intelligence. Thanks to **automatic wavelength recognition** and frequency identification, the risks of handling errors are eliminated, ensuring reliable measurements across 10 different wavelengths. This automation allows for considerable time savings during deployment and maintenance phases.

### CONNECTIVITY

Data transfer via USB for simplified digital management

### Versatility and Integrated Tools

- **Cabling Test:** Full support for RJ45 sequence testing.
- **Fault Location:** Available options for RJ45 tracking and Visual Fault Locator (VFL).
- **Adjustable Source:** Adjustable output power (0 to 6dB range in 1dB steps) for maximum flexibility.

### BATTERY LIFE

Smart power management with adjustable automatic shut-off

### Intelligent Data Management

Equipped with an internal memory capable of storing up to **1,000 records**, the device facilitates site monitoring. Its USB interface allows for quick data transfer to a PC, simplifying the generation of test reports and the archiving of certification data.

Technical Specifications	LEA152A L	LEA152B
Measuring Range	-70 to +10 dBm	-50 to +26 dBm
Calibrated Wavelength	850/980/1270/1300/1310/1490/1550/1577/1625/1650 nm	
Detector Type	InGaAs	
Resolution	Linear display: 0.1%, logarithmic display: 0.01dBm	
Linearity	±5 %	
Automatic Shutoff Time	10 min / 30 min / 60 min / 120 min	
Continuous Working Time	24 h	
Data Storage	1,000	
Connector	FC or SC	
Tone Detection	270, 330, 1 kHz, 2 kHz	
Power Supply	Rechargeable Lithium battery (1 500 mAh)	
Dimension	140 × 32 × 73 mm	
Net Weight	235 g	
Operating Temperature	-10 to +50 °C	
Storage Temperature	-40 to +70 °C	
Relative Humidity	0 to 95 % (non-condensing)	

Optical Light Source	LEA152A L	LEA152B
Wavelength	850/1300 ± 20 nm	1310/1490/1550 ± 20 nm
Emitter Type	FP-LD	
Output Power	≥ -5 dBm	
Power Regulation	0~6dB, 1dB step	
Output Stability	+0,2 dB/15 min (after 15 min preheating)	
Output Frequency	CW, 270, 330, 1 kHz, 2 kHz	
Power Regulation	0~6dB, 1dB step	
Wavelength ID Mode	Support	
Wavelength TWINS Mode	Support	
Connector	FC or SC	

RJ45 Sequence	LEA152A L	LEA152B
Test Range	300 m	

Visual Fault Locator (optional)	LEA152A L	LEA152B
Wavelength	650±30nm	
Output Power	10 mW or 30 mW	
Modulation Frequency	CW/1 Hz/2 Hz	
Connector	Universal 2,5 mm adapter (FC/SC/ST)	

RJ45 Cable Tracking (optional)	
Mode	Digital tracking
Distance	≤ 300 m
Online/Line Pair Tracking	Support

Standard Accessory	Quantity
1 Optical Multimeter with FC or SC for OPM port and FC or SC for OLS port	1 pc
2 User Manual	1 pc
3 1500 mAh Lithium Battery	1 pc
4 Data Line	1 pc
5 CD with software	1 pc
6 Power Adapter	1 pc
7 Soft Bag	1 pc

Ordering Information	Model: LEA152X-X-X-X-X
X: OPM Range	A: -70~+10dBm B: -50~+26dBm
X: OLS	S: 1310/1550nm M: 850/1300nm T: 1310/1490/1550nm Q: 850/1300/1310/1550nm F: 850/1300/1310/1490/1550nm
X: Interface	FU: FC/UPC FA: FC/APC SU: SC/UPC SA: SC/APC
X: VFL	None: without 10: 10mW 30: 30mW
X: RJ45 Tracker	None: without T : with

Note:

Optical port for 850/1300nm is UPC interface.



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