



LEA-152

OPTICAL MULTIMETER

MULTI- WAVELENGTH

Precise testing on 10
frequencies

CONFIGURABLE THRESHOLDS

Pass/Fail threshold
settings for instant-
aneous diagnostics

CONNECTIVITY

Data transfer via USB
for simplified digital
management

BATTERY LIFE

Smart power man-
agement with adjust-
able automatic shut
-off



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.

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.

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.

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 x 32 x 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.



CXR
T +33 (0) 237 62 88 00
www.cxr.com

17 Rue de l'Ornette 28410 Abondant France
contact@cxr.com