

FX41xT

Selective PON Optical Power Meter for G-PON and XGS-PON

10G Next-Gen and Legacy PON Optical Power Meter

Provides fast, simple, and precise measurement of G-PON and XGS-PON downstream signals. Miniature filters ensure each wavelength is measured accurately. The tester is well suited for installation, service verification, and troubleshooting of co-existent networks, including IEEE based E-PON and 10G-EPON deployments.

KEY FEATURES

- Downstream signal verification for 1G/10G PON networks
- Simultaneous 1490/1577 nm signal level measurements
- Pass/Fail indication per ODN Class or User thresholds
- Alkaline or rechargeable NiMH batteries with Auto-off
- Save up to 2000 measurements with date and timestamp
- Save/display test results via NoApp® QR code for mobile device transfer, post-processing, sharing, and upload
- Cloud-based NoApp® service (included) allows for data augmentation via mobile phone or tablet. Secured and always up to date. No installation or updates required.
- Micro USB interface for 5V DC powering and battery charging
- High contrast backlit, monochrome display - visible outdoors and indoor with varying light conditions
- Splash and dust resistant keypad and chassis design
- Rugged polycarbonate chassis for demanding field conditions
- Fixed SC/APC connector interface with protective dust caps
- Visual Fault Locator (VFL) option
- Broadband Optical Power Meter (OPM) option

KEY SPECIFICATIONS

- Wavelength-selective level measurements:
 - G-PON per ITU-T G.984.2
 - XGS-PON per ITU-T G.9807.1
 - EPON & 10G-EPON per IEEE 802.3av
- Calibrated PON wavelengths (Downstream):
 - 1490 nm (G-PON)
 - 1577 nm (XGS-PON)
- Selective Spectral Passband
- Accurate measurements even in the presence of other wavelengths
 - 1490 nm (1480 to 1500 nm)
 - 1577 nm (1572 to 1582 nm)
- Display Resolution: 0.1 dB
- Absolute Accuracy: ± 0.5 dB
- Communication Interface: Contact-less QR codes
- Battery Charging Interface: Micro-USB
- Battery Operating Time: ≥ 75 hours (without backlight)

