PON Power Meter K-PON01

A pass-through PON power meter that reads every wavelength on the fiber at once — upstream and downstream together, with pass/fail verdicts for EPON, GPON, XG-PON and a 50G-PON build.

A pass-through PON power meter that reads every wavelength on the fiber at once - upstream and downstream together, each with a pass/fail verdict against your thresholds. Wavelength sets run from the GPON triple to the full six-wavelength set, plus a 50G-PON build with 1286/1342 nm channels.



K-PON01 PON power meter showing simultaneous wavelength readings

Key Features

- Simultaneous measurement of all wavelengths on the live fiber — no service interruption
- Wavelength sets from 1310/1490/1550 up to the full six: 1270/1310/1490/1550/1577/1610 nm
- 50G-PON build adds the 1286 and 1342 nm channels
- Per-channel range −40 to +10 dBm, 0.01 dB resolution, ±0.5 dB uncertainty
- Pass/fail thresholds with on-screen verdicts per wavelength
- 999 stored results, kept in memory at shutdown
- Optional VFL (10 or 20 mW) or OPM add-on; Bluetooth app reporting on wide-set builds
- 3×AA or 2000 mAh lithium power — over 32 working hours

Specifications

Networks	EPON, GPON, RFoG, 10G PON, 10G EPON, XG-PON; 50G-PON build available
Wavelength sets	1310/1490/1550 · 1490/1577 · 1270/1310/1490/1577 · 1270/1310/1490/1550/1577 · 1270/1310/1490/1550/1577/1610 nm; custom sets on request
Test range (per channel)	−40 to +10 dBm
Display resolution	0.01 dB
Power uncertainty	±0.5 dB
Linearity	±0.1 dB / 10 dB
Channel insertion loss	<1.5 dB
Optical isolation	>30 dB between channels
Display	Colour LCD, adjustable backlight
Data storage	999 results
VFL (optional)	650 nm, 10 or 20 mW, CW / 2 Hz
Connector	SC or FC, UPC or APC
Power supply	3 × AA batteries or 2000 mAh lithium (8.4 V adapter)
Working time	>32 hours (standby >60 hours)
Dimensions	76 × 177.5 × 40 mm
Weight	0.28 kg (without batteries)

More Views



Bluetooth app reporting (option)

In Use

Connect in line at the ONT or the splitter and read the whole PON in one screen: activation levels, coexistence checks and fault sectionalising without taking the service down. Store up to 999 results, or push reports to the phone app on Bluetooth builds.

Private Label & OEM

Supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, so the goods arrive ready for your warehouse. Custom barcode & contract labeling is applied to every inner box and outer carton to your receiving specification.

In the Box

PON power meter K-PON01 main unit (configuration as ordered); Carry case.