

PPM-350D PON Power Meter



PON power meter compatible with legacy and next-generation PON networks

KEY FEATURES

- Unique PON-aware™ capability automatically detects PON technology in use
- Compatible with GPON and EPON networks
- Supports 10G-capable PON networks
- Pass-Through Mode for OLT/ONU verification
- Bluetooth and USB connectivity
- Smart app to store results, create test reports, share results and much more
- Compact, rugged and designed to comply with the IP54 enclosure standard
- Rechargeable battery lasts for up to 8 hours of continuous use

APPLICATIONS

- Single-layer PON service activation
- Multi-layer PON service activation
- Insertion loss testing
- Support of multiple PON technologies:
 - GPON (ITU-T G984.2)
 - EPON (IEEE 802.3)
 - XG(S)-PON (ITU-T G987.2)
 - NG-PON2 (ITU-T G989.2)
 - RF overlay

NEXT-GENERATION COMPLIANT

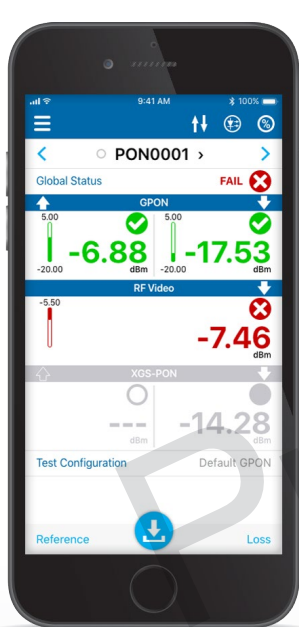
Next-generation passive optical networks (PONs) will in most cases use the existing outdoor plant infrastructure already in use for current PON customers. This brings another dimension to PON testing because multiple wavelengths will reach the end user at the service activation location. Having the right instrument is of paramount importance to avoid meaningless test results or false positives.

EXFO's PPM-350D can be used in legacy and next-generation PON scenarios. It is compatible with single-layer PON and RF overlays as well as mixing a next-generation layer on top of it.

PON-AWARE TECHNOLOGY

Deploying a mix of legacy and next-generation equipment? No problem. By relying on pre-configured and customizable test configurations, the PPM-350D automatically detects the type of network under test and self-adjusts the pass/fail criteria for error-free testing.

INSTRUMENT OVERVIEW



- 1 P/F LEDs for US & DS
Get a clear view of pass/fail status without looking at the screen
- 2 Touchscreen interface
- 3 View of multiple layers simultaneously
- 4 Designed in compliance with IP54 rating
Rechargeable battery
Internal storage up to 1000 results
Bluetooth® & USB connectivity



The PPM-350D features standard Bluetooth connectivity.

Android™ and iOS® mobile applications let you use your smart device to store results, create test reports, share results and more.

THREE PON OPTIONS

Available in three options, this instrument is tailored to fit your needs. Choose between single- or dual-layer PON testing and RF overlay supporting RF video, RF PON as well as radio frequency over glass (RFoG).

	PPM-350D-SR	PPM-350D-D	PPM-350D-DR
GPON (ITU-T G984.2)	✓	✓	✓
EPON (IEEE 802.3)	✓	✓	✓
XG/XGS-PON (ITU-T G987.2)	✗	✓	✓
NG-PON2 (ITU-T G989.2)	✗	✓	✓
RF overlay (supporting RF video, RF PON as well as RFoG)	✓	✗	✓



VISUAL FAULT LOCATER OPTION

The PPM-350D's optional visual fault locator (VFL) enables quick and easy troubleshooting to identify breaks, bends and faulty connectors or splices, as well as other causes of signal loss. This valuable option helps you shorten time-to-restoration cycles and increase the productivity of your field crews.


FTTX SPECIFICATIONS ^a	
	Spectral passband
Upstream 1270 nm, Burst Mode	1260-1280 nm
Upstream 1310 nm, Burst Mode	1290-1330 nm
Upstream 1524-1540 nm, Burst Mode	1480-1625 nm
Upstream 1550 or 1610 nm, Burst Mode	1480-1625 nm
Downstream 1490 nm	1480-1500 nm
Downstream 1550 nm	1540-1560 nm
Downstream 1577 nm	1573-1625 nm
Downstream 1596-1603 nm	1573-1625 nm
Downstream 1610 nm	1573-1625 nm

Notes
 a. All specifications are preliminary and subject to change

VISUAL FAULT LOCATOR (VFL) (OPTIONAL)
Laser, 650 nm ± 10 nm
CW/Modulate 1 Hz
Typical P _{out} in 62.5/125 μm: > -1.5 dBm (0.7 mW)
Laser safety: Class 2

LASER SAFETY

If VFL option is available



IEC 60825-1:2007 21 CFR 1040.10

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT

λ: 650 ±10 nm
P_{out} maximum < 2mW

**CLASS 1
LASER PRODUCT**

GENERAL SPECIFICATIONS ^a	
Storage capacity	1000 results
Battery autonomy	8 hours of continuous use
Battery charge time	< 2 hours
Display resolution	0.01 dBm
Measurement units	dB, dBm
Dimensions (H x W x D) mm	(154.13 x 88 x 41.15)
Weight	420 g ^b
Operating temperature range	0 to 50 °C
Storage temperature range	-40 to 70 °C

Notes
a. All specifications are preliminary and subject to change
b. PPM-350D-SR model

ORDERING INFORMATION

PPM-350D-XX-XX-XX

Model ■

PON option ■
SR = Single PON layer and RF video
D = Dual PON layer
DR = Dual PON layer and RF video

VFL option ■
00 = Without visual fault locator
VFL = With visual fault locator

Connectors
EA-EUI-28 = APC/DIN 47256
EA-EUI-89 = APC/FC narrow key
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E-2000
EA-EUI-98 = APC/LC

Example: PPM-350D-DR-VFL-EA-EUI-91

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