

# PPM-350D PON Power Meter



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

SPEC SHEET

## 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 ONT/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
<b>GPON (ITU-T G984.2)</b>	✓	✓	✓
<b>EPON (IEEE 802.3)</b>	✓	✓	✓
<b>XG/XGS-PON (ITU-T G987.2)</b>	✗	✓	✓
<b>NG-PON2 (ITU-T G989.2)</b>	✗	✓	✓
<b>RF overlay (supporting RF video, RF PON as well as RFoG)</b>	✓	✗	✓

## 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 <sup>a</sup>

	Spectral passband
<b>Upstream 1270 nm, Burst Mode</b>	1260-1280 nm
<b>Upstream 1310 nm, Burst Mode</b>	1290-1330 nm
<b>Upstream 1524-1540 nm, Burst Mode</b>	1480-1625 nm
<b>Upstream 1550 or 1610 nm, Burst Mode</b>	1480-1625 nm
<b>Downstream 1490 nm</b>	1480-1500 nm
<b>Downstream 1550 nm</b>	1540-1560 nm
<b>Downstream 1577 nm</b>	1573-1625 nm
<b>Downstream 1596-1603 nm</b>	1573-1625 nm
<b>Downstream 1610 nm</b>	1573-1625 nm

### Notes

a. All specifications are preliminary and subject to change

VISUAL FAULT LOCATOR (VFL) (OPTIONAL)
Laser, 650 nm $\pm$ 10 nm
CW/Modulate 1 Hz
Typical $P_{out}$ in 62.5/125 $\mu$ m: > -1.5 dBm (0.7 mW)
Laser safety: Class 2

LASER SAFETY
<p>If VFL option is available</p>  <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>CLASS 1</b>  <b>LASER PRODUCT</b> </div>

GENERAL SPECIFICATIONS <sup>a</sup>

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