EP350
PON Power Meter

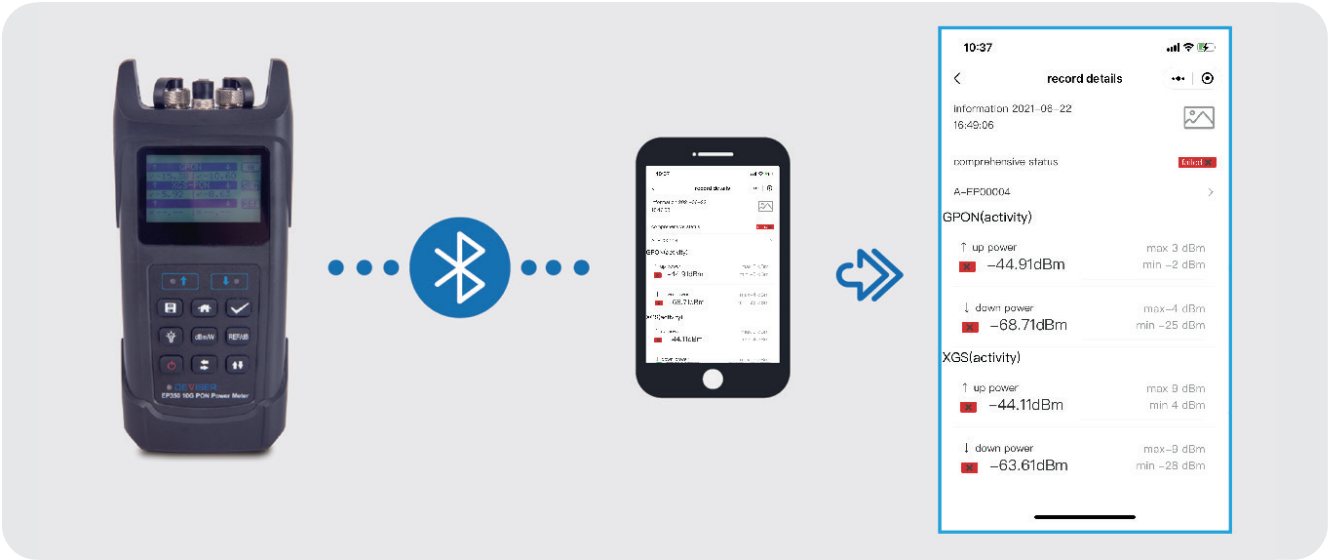
Key Benefits

- Multiple PON technologies supported on a single unit: GPON, EPON, XG(S)-PON, NG-PON2, and RFoG, etc.
- Pass-through mode for ONT/ONU verification
- USB and Bluetooth connectivity
- Access test results from your smartphone
- Pass/fail limits and data storage for easy analysis
- Compact, rugged designed for easy mobility through the network
- Visual fault locator option

Overview

Brought to you by your trusted Optical test equipment partner, Deviser Instruments Inc, The EP350 is a comprehensive optical power meter for both legacy and next-generation PON networks. The EP350 is compatible with single-layer PON networks with RF overlays as well as mixing a next-generation layers on top of it. The EP350 can make single-wavelength & pass-through measurements for both upstream and downstream signals. For upstream signals, the EP350 can also perform burst light power measurements.

With Bluetooth connectivity, the field engineer or manager can remote run tests, examine data, upload results, and more – all from your mobile device. The EP350 is ideal for end-of-line testing, activation and maintenance of all FTTx/PON networks.



Specifications

The EP350 provides a variety of options to meet your demanding requirements. Choose between single or dual-layer PON testing and RF overlay supporting RF video.

Category	Description	Model No.	Configuration Description
Base Unit Standard Configuration	EP350 Base Unit	EP350	2.4 inch touch screen, Upstream 1310nm, Downstream 1490nm
Base Unit Wavelength Options	RF Video Option	-1550	Downstream 1550nm
	RfoG Option	-1610	Upstream 1610nm, Downstream 1550nm
TEST Options	XG/XGS-PON/10G EPON Option	-XG/10G	Upstream 1270nm, Downstream 1578nm/1577nm
	NG-PON2 Option	-NGPON2	Upstream 1524nm-1544nm, Downstream 1596nm-1603nm
VFL Options	1mW VFL	-VFL1	650nm ± 10nm, 1mW VFL
	10mW VFL	-VFL10	650nm ± 10nm, 10mW VFL
	30mW VFL	-VFL30	650nm ± 10nm, 30mW VFL
Feature Options	Bluetooth	-BT	Intergated Bluetooth option
	RJ45 Network Port	-LAN	Network Port option

General Specifications	
Display	2.4 inch touch screen
Storage capacity	Up to 1000 test results
Interface(s)	1 x USB 2.0 port; 1 x RJ45 LAN(option)
Battery	7.4V/900mAh Li-ion battery, 7.4Wh
Operation Time	8 hours on full charge
Power Supply	DC 12V / 2A
Operating temperature	-10°C ~ +50°C (14F – 122F)
Storage temperature	-40°C ~ +70°C (-40F - 158F)
Dimensions(L × W × H)	187mm (7.36 inch) × 85mm (3.35 inch) × 45mm (1.77 inch)
Weight	< 400g (0.89 lbs) w/o battery

Optical Specifications				
		Spectral passband (nm)	Power measurement range (dBm)	Calibrated wavelength (nm)
ONT/ONU	Upstream 1270nm, burst mode	1260 to 1280	-30~+13dBm	1270
	Upstream 1310nm, burst mode	1290 to 1500		1310
	Upstream 1524-1544nm, burst mode	1525 to 1620		1534
	Upstream 1550nm, burst mode	1525 to 1620		1550
	Upstream 1610nm, burst mode	1525 to 1620		1610
OTL	Downstream 1490nm	1480 to 1500	-55~+13dBm	1490
	Downstream 1550nm	1540 to 1560	-40~+26dBm	1550
	Downstream 1577-1578nm	1570 to 1630	-50~+17dBm	1578
	Downstream 1596-1603nm	1570 to 1630		1600
	Downstream 1610nm	1570 to 1630		1610
Optical Return Loss (ORL - dB)	60			
Power Accuracy (dB)	≤± 0.25			
Pass-through insertion loss (dB)	≤1.5			
Display resolution	0.01 dBm/0.001 μW			
Measurement units	dB, dBm, mW, uw, nw, pass/fail			
Optical connectors (PON measurements)	SC/APC (optional: FC, ST and LC adapters)			