

XGS PON Power Meter

Variants

XGSPON-DT2100

Details

The **DT2100 XGS-PON Power Meter** is a professional optical testing instrument designed for installation, maintenance, and troubleshooting of **GPON, XG-PON, XGS-PON, and FTTH optical networks**. It accurately measures multiple downstream and upstream wavelengths simultaneously, enabling technicians to verify optical power levels without interrupting network traffic.

Featuring an **InGaAs optical detector**, built-in **10mW/20mW Visual Fault Locator (VFL)**, rechargeable battery, large data storage, and high measurement accuracy, the DT2100 is ideal for telecom operators, ISPs, data centers, and fiber optic maintenance engineers.

Supported Wavelengths

6 Channels

Measurement Range

-40 ~ +20 dBm

Built-in VFL

10 / 20mW

Storage

999 Records

Key Features

? Designed for GPON, XG-PON & XGS-PON Networks

? Simultaneous 6-Wavelength Optical Measurement

? InGaAs High-Sensitivity Optical Detector

? Built-in 10mW / 20mW Visual Fault Locator

? High Accuracy ± 0.5 dB Measurement

? Supports dB, dBm, mW, μ W & nW Display

? Stores up to 999 Measurement Records

? Rechargeable Battery with Long Operating Time

? Compact, Lightweight & Field Ready

Optical Measurement Parameters

Parameter	1270nm	1310nm	1490nm	1
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Spectral Bandwidth	1260–1280nm	1300–1320nm	1480–1500nm	1540–1
Measurement Range	-40 ~ +10 dBm	-40 ~ +10 dBm	-40 ~ +10 dBm	-40 ~ +

General Optical Specifications

Model Number	DT2100
Probe Type	InGaAs
Optical Port	SC/APC (SC/UPC Optional)
Measurement Units	dB / dBm / mW / μ W / nW
Display Resolution	0.01 dB
Power Accuracy	\pm 0.5 dB
Linearity	\pm 0.1 dB / 10 dB
Channel Insertion Loss	<1.5 dB
Data Storage	999 Groups

Visual Fault Locator (VFL)

Output Power	10mW / 20mW
Connector	2.5mm Universal Connector + FC / SC
Wavelength	650nm \pm 10nm

Fiber Type	Single Mode / Multimode
Tone Detection	CW / 2kHz

General Specifications

Auto Shutdown	5–90 Minutes (Adjustable)
Power Supply	5V/2A Adapter + 2000mAh Rechargeable Battery
Working Time	>32 Hours Continuous
Standby Time	>60 Hours
Working Temperature	-10°C ~ +60°C
Storage Temperature	-25°C ~ +70°C
Dimensions	76 × 177.5 × 40 mm
Weight	0.28 kg

Applications

XGS-PON Network Testing

XG-PON Maintenance

GPON Installation & Testing

FTTH Commissioning

ISP Fiber Maintenance

OLT / ONU Signal Measurement

Telecom Optical Networks

Fiber Troubleshooting

Important Notes

Working time and standby time are based on power-saving mode with low backlight brightness.

Package includes a 5V / 2A power adapter.

Product weight is measured without the battery installed.