# XGS PON Power Meter

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## 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, µW & 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 / μW / nW |
| **Display Resolution** | 0.01 dB |
| **Power Accuracy** | ±0.5 dB |
| **Linearity** | ±0.1 dB / 10 dB |
| **Channel Insertion Loss** | 1.5 dB |
| **Data Storage** | 999 Groups |

## Visual Fault Locator (VFL)

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|---|---|
| **Output Power** | 10mW / 20mW |
| **Connector** | 2.5mm Universal Connector + FC / SC |
| **Wavelength** | 650nm ±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.

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