

ACP8820 + 2XACP8820X Optical Power Meter with Optical Head



ACP8820 + 2XACP8820X is an optical power meter with optical heads which offers superior performances in testing of DWDM components, AWG & PLC components, optical amplifiers, and other general purpose fiber optical test and measurement applications. It is designed especially for volume production line applications.

ACP8820 + 2XACP8820X Optical Power Meter is a high performance, small dimension, fast startup, affordable optical power meter family. It provides low power, high power, single channel and dual channel optical power meter modules options. AC Photonics also can provide high channel count solutions up to 16 channels.

PERFORMANCE SPECIFICATIONS

| Parameter | Specifications | |
|--------------------------------------------------------|-------------------------------------------|----------------------|
| | ACP8820 + ACP88201 | ACP8820 + 2XACP88201 |
| Model # | ACP8820 + ACP88201 | ACP8820 + 2XACP88201 |
| Sensor Element | Single Channel InGaAs | Dual Channel InGaAs |
| Wavelength Range | 850 ~ 1700nm | |
| Power Range | +3 ~ -85dBm | |
| Application Fiber Type | Standard SM and MM up to 62.5um core size | |
| Uncertainty (accuracy) at Reference Condition | ±4% (1200nm ~ 1610nm) | |
| Relative Uncertainty (accuracy) at Reference Condition | <0.02dB (Typical) | |
| Linearity (power) | ≤±0.06dB (1200nm ~ 1610nm, +0~ -60dBm) | |
| Return Loss | >40dB | |
| Operating Temperature | 0 to +40°C | |
| Storage Temperature | - 30 to +80°C | |
| Recalibration Period | 2 years | |
| Package Dimensions (HxWxD) | 200mm x 105mm x 250mm | |
| Weight | 6.5kg | |

FEATURES

- High Performance
- Quick Startup
- Difference Power Range and Difference Channel Number Available
- Small Dimension
- Affordable Price

APPLICATION

- WDM, AWG, PLC Components Insertion Loss, Return Loss Test
- Fiber Sensor , Fiber Cable Test
- PMD and PDL Measurement
- Fiber Optical , Telcom R & D Lab Test

ACP8820 + 2XACP8820X Optical Power Meter with Optical Head

| Parameter | Specifications | |
|--------------------------------------------------------|-------------------------------------------|----------------------|
| Model # | ACP8820 + ACP88203 | ACP8820 + 2XACP88203 |
| Sensor Element | Single Channel InGaAs | Dual Channel InGaAs |
| Wavelength Range | 850 ~ 1700nm | |
| Power Range | +23 ~ -60dBm | |
| Application Fiber Type | Standard SM and MM up to 62.5um core size | |
| Uncertainty (accuracy) at Reference Condition | ±4% (1200nm ~ 1610nm) | |
| Relative Uncertainty (accuracy) at Reference Condition | <0.02dB (Typical) | |
| Linearity (power) | ≤±0.06dB (1200nm ~ 1610nm, +20~ -40dBm) | |
| Return Loss | >40dB | |
| Operating Temperature | 0 to +40°C | |
| Storage Temperature | - 30 to +80°C | |
| Recalibration Period | 2 years | |
| Package Dimensions (HxWxD) | 200mm x 105mm x 250mm | |
| Weight | 6.5kg | |

AC PHOTONICS TEST AND MEASUREMENT SUPPORT, SERVICES AND ASSISTANCE

AC Photonics provides high performance, high value, low cost, affordable test and measurement instrument solutions for our customers. Our extensive support resources can help you choose the right AC Photonics' products for your applications and apply them successfully. Every instrument and system we sell has global warranty. All of our instruments have 12 months factory warranty.

OUR PROMISE

All of AC Photonics test and measurement instruments and systems will meet their advertised performances and functionalities. When you select AC Photonics' products, we can verify whether they fit in your applications, help with their setup/operation, and provide more assistance in special applications.