

Optical Power Meter 205A

phatom – Optical communications measuring instrument

It has been used for about 30 years before the dawn of optical communications and has been used on fields. Highly Durable and Reliable “phatom” brand, Made and Produced in Japan.



Features

- ✓ Available for measuring short wavelength **660nm, 780nm, 820nm and 850nm.**
- ✓ The ideal model for POF / H-PCF / GI fiber measurement
- ✓ Compatible with various short wavelength optical links such as Sumi-link and Tos-link
- ✓ Relative value setting (REL) function
- ✓ Automatic offset correction (ZERO SET) function
- ✓ Analog output, auto / manual range, data hold function
- ✓ Plug-in light source (optional) for loss test set

Specifications

Items	Details
Calibrated Wavelengths	660nm , 780nm , 820nm , 850nm
Measuring Range	-60 ~ +10dBm (1nW ~ 10mW) , 7ranges
Uncertainty	±3% (k=2) 850nm , -20dBm , 23±5°C
Analog Output	0 ~ 3.2V
Built-in sensor	Si Photo diode(8mm dia.)
Plug-in Light source	LED Light Source Unit (Optional)
Resolution	0.1dB (dBm , dB)
Fiber Type	POF , PCF , H-PCF , GI
Connector	SC(180-SC) standard , others are optional
Functions	W/dBm/dB(REL) ,Auto/Manual ranging, Data hold, Built-in light source unit (optional)
Display	31/2digit LCD(3,200 counts)
Power supply	Battery(AA) / 4 pcs. or optional AC adapter
Battery life	approx. 150 hours (Light source OFF, AA Battery Panasonic LR6(G))
Operating Environment	-10 to +50°C , ≤80%RH (without condensation)
Dimensions / Weight	90(W) × 160(H) × 40(D)mm, 430g(incl. batteries)
Accessories	Connector Adapter(180-SC:2pcs), AA Batteries(4pcs), Portable Case, Blank-Module(plug-in), 2P Pplug 3.5mm , Shading Cap , Instruction Manual

Light Source Units(Options)

(Note) Optional Light sources can NOT be used by themselves.
They are required to be used with Optical Power Meter 205A

310-066LS

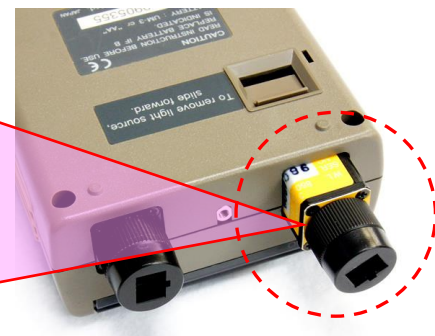


310-085LS



Items	Details
Wavelength	660±15nm
Spectral Width	≤25nm
Output	≥-20dBm
Fiber	POFΦ1、APFΦ1
Connector	Various correspondence

Items	Details
Wavelength	850±30nm
Spectral Width	≤60nm
Output	≥-25dBm
Fiber	GI 50/125 , GI 62.5/125 HPCF 200/230
Connector	Various correspondence



It can also be used as a light source device by using an optional light source unit. Both the blank module and light source unit can be attached and detached by simply operating the lever. Installation is easy.

Connectors

<Standard>



180-SC(2pcs)
For SC Connector

<Options>



180-ST
For ST Connector



180-FC
For FC Connector



180-SMA
For SMA Connector



180-HPP
For HFBR Series



180-HTL
For JIS F05/07
Connector



180-HDL
For DL JIS F06/08
Connector



180-LC
For LC Connector



180-MU
For MU Connector

Manufacturer

Electronics Total Partner
Gray

Graytechnos Co.,Ltd

<For more details>

<https://www.graytechnos.com/photom-en>

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