

Power Meter DATALIGHT®

product description:



The DATALIGHT power meter is used for attenuation measurement of polymer optical fibres (POF). The attenuation of an installed DATALIGHT cable can be measured and recorded using a suitable light source. It is also possible to test every link of completely installed systems and hence check for possible defects.

The power meter is battery-operated and therefore suitable for building sites. A high-quality photodiode allows quick and easy measurement of the exact light intensity, allowing statements regarding the quality of the installed section and the functionality with DATALIGHT devices. A USB interface and the integrated measured value memory ensure easy reading out of the measured data on a laptop. A special power meter protocol software enables easy creation of measuring protocols.



Cat. no.:	Type	Content	PU	Total width mm	Total height mm	Total depth mm	Weight PU/kg
257 60 001	2.2	1	pc(s)	196	30	124	0,25

General properties	
Interface / number of ports	1 x optical sensor
Transmission rate	1 Gbps
Operating temperature	0°C to +50 °C (32°F to 122°F)
Protection class according to DIN EN 60529	IP 20
Internal memory for measured values	•
Data export via USB	•
Including download and protocol software	•

Electrical properties	
Voltage supply	DC 2.4-3 V (AAA batteries)
Typical power consumption	typ. 0.15 W

Optical properties	
Sensor type	SI
Performance range	+5 ~ -60 dBm
Measuring tolerance	± 0.2 dB @ -20 dBm
Resolution	0.01 dB
Linearity	± 0.05 dB
Optical connection	Direct connection (plug-in)
Unit	dBm

Standardisation	
EN 55022:2010 Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	Applied in full
EN 55025:2010 Information technology equipment - Immunity characteristics - Limits and methods of measurement	Applied in full
EN 50581:2013-02 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	Applied in full

