**DATALIGHT® Power Meter**

**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.

### Specifications

<table>
<thead>
<tr>
<th>Cat. no.:</th>
<th>Type</th>
<th>Content</th>
<th>PU</th>
<th>Total width mm</th>
<th>Total height mm</th>
<th>Total depth mm</th>
<th>Weight PU/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>257 60 001</td>
<td>DLPM</td>
<td>1 pc(s)</td>
<td>196</td>
<td>30</td>
<td>124</td>
<td>0.25</td>
<td></td>
</tr>
</tbody>
</table>

**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

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**subject to alterations**

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