LIGHT METER

PCE-FST-100-2003-LS



- **Illuminance: 0 ... 65535 lx**
- **Response time: ≤ 0.1 s**
- **Output: RS-485**
- **Protection class: IP65**
- **Wall mounting**

The light meter is ideal for monitoring light intensities in greenhouses, industrial facilities or smart farming systems, enabling precise control of lighting and energy use. The light meter detects light intensities from 0 to 65,535 lx and delivers the measured values via a digital RS-485 Modbus RTU output. The accuracy is ±7% FS at 25°C / 77°F, the response time is ≤1 s, the supply voltage is 10 to 30V DC, and the robust, moisture-protected housing allows for indoor and outdoor use.

The light meter is primarily used by greenhouse operators, environmental researchers, and companies in the smart farming sector, as well as industrial plants that want to reliably monitor light intensities and implement automated controls.

Specification

Light	
Measuring range	0 ... 65535 lx
Resolution	1 lx
Accuracy	±7% FS @25°C

General technical data	
Outputs	RS485
Cable length	1 m
Response time	0,1 s
Protection class (device)	IP65
Power supply	10 ... 30 V DC
Operating conditions	-20 ... 60 °C , 0 ... 80 % RH
Storage conditions	-20 ... 80 °C , 0 ... 80 % RH
Dimensions (L x W x H)	120 x 134 x 43 mm
Weight	220 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk