

16321 LIGHTNESS SENSOR



Aluminum die-cast housing

Brightness in (de)lux(e) is measured by this sensor. It determines the momentary degree of illumination intensity. The highly sensitive photodiode reacts quickly to the prevailing circumstances, to half-light as well as to spot light. The device (16321) is especially adequate for use outside and has a very robust housing and connecting ports.

- Weather resistant aluminum die-cast housing IP 65
- Integrated transmitter
- Easy mounting and adjustment by three-point plate and built-in box level
- Standard unit: Lux = lx - 100 Lux equal 1 W/m² or 9.29 foot candle
- Analog signal output
- Factory test certificate included (DIN EN 10204)

APPLICATIONS

- Weather stations
- Green houses
- Monitoring systems
- Building automation

Professional Line	16321
Id-No.	00.16321.010302 (0...20 mA); 00.16321.010342 (4...20 mA); 00.16321.010012 (0...10 V)
Measuring range	0...100 klx
Response time	< 0.5 s
Inclination error	< ± 5 %
Non-linearity	± 1 %
Output	00.16321.010302 (0...20 mA); 00.16321.010342 (4...20 mA); 00.16321.010012 (0...10 V)
Range of application	-30...+65 °C
Supply voltage	24 VDC
Power consumption	Max. 40 mA
Measuring elements	Special silicium photo diodes
Dimensions	65 x 59 x 68 mm
Protection class	IP 66
Weight	Approx. 0.3 kg
Included in delivery	3.5 m cable
Accessories (order separately)	32.16321.001000 Three-point mounting plate with built-in level; approx. 0.2 kg 33.14627.012000 Wall bracket made of stainless steel; approx. 0.6 kg

As of: 14.03.2025