LIGHTNESS SENSOR

Illumination - Luxmeter

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 the use outside and has a very robust housing and connecting ports.

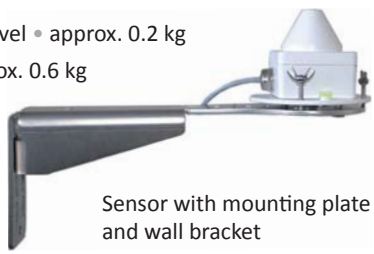
- weather resistant aluminium die-cast housing IP 65
- integrated transmitter
- easy mounting and adjustment by three-point plate and built-in box level
- standard unit: Lux = lx
  100 Lux equal 1 W/m² or 9.29 foot candle
- analogous signal output
- factory test certificate included (DIN EN 10204)

Weather stations • green houses • monitoring systems • building automation

BUILDING

0 ... 20mA ANALOG OUTPUT

Standard Line	(16321)	Lightness Sensor	Id-No. 00.16321.010 302
Measuring element:		special silicium photo diodes	
Measuring range:		0...100 klx	
Range of application:		temperatures -30...+60 °C	
Non-linearity:		±3 %	
Response time:		< 5 ms	
Inclination error:		< ±5 %	
Output signal:		0...20 mA	
Supply voltage:		24 V_{DC}	
Dimensions/ Weight:		65 x 59 x 68 mm · IP 65 · cable length 3.5 m • approx. 0.4 kg	
Accessories:			
32.16321.001 000		**Three-point mounting plate** with built-in level • approx. 0.2 kg	
33.14627.012 000		**Wall bracket** made of stainless steel • approx. 0.6 kg	



Sensor with mounting plate and wall bracket