

ML-020S LUX Sensor

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The ML-020S-O and ML-020S-I illuminance sensors are both all-weather sensors having customized detector sensitivities for either indoor low light level or outdoors high light level applications. The built-in interference filter in conjunction with the detectors spectral response reproduces the CIE photopic curve and gives a calibrated output in lux (lx). Both sensors can be found in many professional applications to control or monitor industrial processes.

The low output Voltage of the sensor can be easily converted to a 4-20mA current or higher Voltage using the MS-4..20mA converter. The mV/mA converter can be pre-programmed and optimized within the operating range compatible with common measurement equipment.

Features

- Fast Response Time (10ms)
- CIE Photopic Response
- Glass Dome Plus Diffusor Optics
- Low Temperature Dependency



Specs

| | | |
|----------------------------------|--------------|--|
| Specifications (Typical) | ML-020S-O | ML-020S-I |
| Measurement Range | 0~150,000 Lx | 0~30,000 Lx |
| Output (Approx.) | | 0~30,000μV (0~30mV) |
| Impedance | 280Ω | 1.3kΩ |
| Operating temperature range (°C) | | -10~+50°C |
| Temp. response (-10~+50°C) | | 0.4% |
| Size | | Sensor Only: φ22 x 33mm With Mounting Plate: φ80 x 51mm |
| Weight Sensor Only: | | 65g |
| With Mounting Plate: | | 475g |
| Cable length | | 5 m |
| *Mounting Plate | | Optional |