

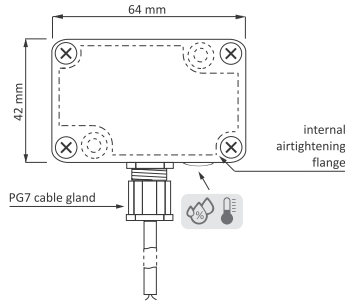
MB-AHT-1 humidity and temperature transducer

Functioning

The transducer performs continuous temperature measurement in the range $-40\pm 70^{\circ}\text{C}$ and humidity in the range $0\pm 100\% \text{ RH}$.



Transducer in special, compact-sized plastic box, connected through a PG7 cable gland with circular cables of any length, maximum $\varnothing 7$ (for example: $2\times 0,5 \text{ mm}^2$). Box with a special sealing flange, fixed to the base by means of two screws, closed with a cover with silicone gasket using 4 screws.



| | |
|--|--------------------------------------|
| power supply | 9±30 V DC |
| measuring range | 0±100% RH/-40±70°C |
| maximum measurement error of temperature | ±1°C |
| maximum measurement error of humidity | ±4.5% (0±80 RH) ±6.5% (80±100 RH) |
| port | RS-485 |
| communication protocol | Modbus RTU |
| type of work | Slave |
| communication parameters | |
| baud rate (adjustable) | 1200±115200 bit/s |
| data bits | 8 |
| stop bits | 1/1.5/2 |
| parity bit | EVEN/ODD/NONE |
| address | 1±247 |
| power consumption | 0.3 W |
| working temperature | -40±70°C |
| terminal | 2.5 mm² screw terminals |
| tightening torque | 0.4 Nm |
| dimensions | 64×42×30 mm |
| mounting | surface |
| ingress protection | IP65 |

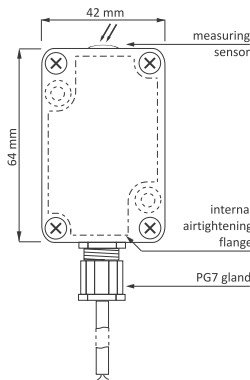
MB-LS-1 lighting brightness level transducer

Functioning

The transmitter continuously measures the level of brightness (sunlight) in the range of $1\pm 2000 \text{ lx}$.



Transducer in special, compact-sized plastic box, connected through a PG7 cable gland with circular cables of any length, maximum $\varnothing 7$ (for example: $2\times 0,5 \text{ mm}^2$). Box with a special sealing flange, fixed to the base by means of two screws, closed with a cover with silicone gasket using 4 screws.



| | |
|---------------------------|-------------------------|
| power supply | 9±30 V DC |
| measuring range | 1±65000 lx |
| maximum measurement error | ±2% |
| port | RS-485 |
| communication protocol | Modbus RTU |
| type of work | Slave |
| communication parameters | |
| baud rate (adjustable) | 1200±115200 bit/s |
| data bits | 8 |
| stop bits | 1/1.5/2 |
| parity bit | EVEN/ODD/NONE |
| address | 1±247 |
| power consumption | 0.3 W |
| working temperature | -40±70°C |
| terminal | 2.5 mm² screw terminals |
| tightening torque | 0.4 Nm |
| dimensions | 42×64×30 mm |
| mounting | surface |
| ingress protection | IP65 |

MB-GPS-1 GPS location converter

Functioning

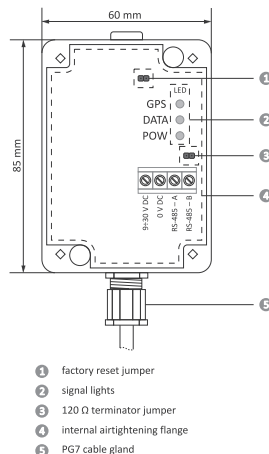
The converter is equipped with a standard GPS (Global Positioning System) satellite tracking module.

Based on the received signal, the converter provides current data for its location:

- geographical coordinates (length/width);
- date (year/month/day);
- time (hour/minute/second).



Transducer in special, compact-sized plastic box, connected through a PG7 cable gland with circular cables of any length, maximum $\varnothing 7$ (for example: $2\times 0,5 \text{ mm}^2$). Box with a special sealing flange, fixed to the base by means of 2 screws, closed with a cover with silicone gasket using 4 screws.



| | |
|-----------------------------|-------------------------|
| power supply | 9±30 V DC |
| maximum current consumption | 40 mA |
| port | RS-485 |
| communication protocol | Modbus RTU |
| type of work | Slave |
| communication parameters | |
| baud rate (adjustable) | 1200±115200 bit/s |
| data bits | 8 |
| stop bits | 1/1.5/2 |
| parity bit | EVEN/ODD/NONE |
| address | 1±247 |
| power consumption | 0.3 W |
| working temperature | -40±70°C |
| terminal | 2.5 mm² screw terminals |
| tightening torque | 0.4 Nm |
| dimensions | 60×85×35 mm |
| mounting | surface |
| ingress protection | IP65 |