



TMM55

Small, light, and rugged.

INCLINATION SENSORS

SICK
Sensor Intelligence.



Technical data overview

Number of axis	2
Communication interface	Analog, Current Analog, Voltage
Measurement range	$\pm 10^\circ \dots \pm 60^\circ$ (depending on type)
Housing material	Plastic (ABS)
Connection type	Cable, 5-wire, with male connector, M12, 5-pin, 0.2 m
Accuracy	

Product description

The TMM55 inclination sensors are characterized by their compact design and ruggedness. As well as simple 4-hole mounting, the M12 male connector on the cable connection also offers a great deal of flexibility when mounting the sensor mechanically. With their rugged and UV-resistant plastic housings, the inclination sensors are also ideally suited to outdoor use. The information about the inclination angle is transmitted via analog current or voltage signals. To ensure high levels of accuracy, the inclination sensors are calibrated at the factory.

At a glance

- Compact, two-dimensional inclination sensor
- Fixed measuring ranges: $\pm 10^\circ$, $\pm 45^\circ$, $\pm 60^\circ$
- Analog current or voltage interface
- Resolution as low as 0.01°
- Small and easy-to-mount ABS plastic housing
- Protection class up to IP 67

Your benefits

- Precise inclination measurement in a defined measuring range
- Simple signal evaluation due to analog output signals
- Compact design for applications with limited space
- Can also be used in the harshest ambient conditions thanks to fully encapsulated electronics
- High performance at a cost-efficient price

Fields of application

- Agricultural and forestry machinery
- Construction machinery and special-purpose vehicles
- Solar thermal energy and photovoltaics
- Automated guided systems
- Crane and lifting technology
- Wind power plant

Ordering information

Other models and accessories → www.sick.com/TMM55

- **Communication interface:** Analog
- **Number of axis:** 2
- **Housing material:** Plastic (ABS)

Communication Interface detail	Current output	Voltage output	Measuring range	Type	Part no.
Current	4 mA ... 20 mA	–	± 10°	TMM55E-PMH010	1073780
			± 45°	TMM55E-PMH045	1073781
			± 60°	TMM55E-PMH060	1073782
Voltage	–	0 V ... 10 V	± 10°	TMM55E-POH010	1073783
			± 45°	TMM55E-POH045	1073784
			± 60°	TMM55E-POH060	1073785

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com