

DATA SHEET



INCLINOMETER
IOTIC

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- Ultra-precise two-axis sensor for measuring inclination
- Built-in accelerometer for measuring vibrations and thermometer
- Wireless communication using LoRa + Wi-Fi
- Robust design
- Extremely high accuracy, sensitivity, and repeatability
- Accredited calibration - Metrological compliance with Czech Metrology Institute

SPECIFICATIONS

TWO-AXIS INCLINOMETER

Standard range:	from -30° to $+30^{\circ}$
Full range (on request):	360°
Repeatability:	0.001% of the range
Accuracy:	0.0001° or $1.72 \mu\text{m/m}$
Temperature shift:	0.1% of the range
Maximum measurement frequency:	0.5 Hz

THREE-AXIS ACCELEROMETER

Configurable range:	$\pm 2 \text{ g}$, $\pm 4 \text{ g}$, $\pm 8 \text{ g}$, $\pm 16 \text{ g}$
Maximum measurement frequency:	6 kHz
Resolution:	0.005% of the range

OTHER

Dimensions with antenna (LxWxH):	150 mm x 66 mm x 71 mm
Weight:	568 g
Temperature range:	from -20°C to $+80^{\circ}\text{C}$
Battery life:	> 10 years, may vary depending on usage, measurement frequency, and environment