Sanlien Technology Corp.

MEMS Tiltmeter

Model: TILT

Be the frontier of environmental monitoring

www.sanlien.com

Introduction

MEMS Tiltmeter is designed for precise tilt measurement on vertical or horizontal surfaces, enhancing structural monitoring. Featuring a high-range MEMS sensor for accuracy and sensitivity, it delivers an output of ±4 V at ±15° through sophisticated signal conditioning. Versatile and reliable, it is crafted for attachment to structures and capable of driving long cables without degradation.

Key Features

- Accurate and Precise Measurements
- Accommodates Manual or Remote Reading
- Available in Uniaxial and Biaxial Versions
- In-built Temperature Compensation
- Robust Design and Reliable

Applications

- [x] Measuring tilt in various structures, including buildings, dams, embankments, slopes, retaining walls, open pits, etc.

Best Suited

Buildings | Dams | Slopes | Diaphragm Wall | Open Pits

Specifications

Range	±15° (Vertical) / ±15° (Horizontal)
Resolution	<10 arc seconds
Accuracy	±0.1% F.S.
Sensor Output	±4V@±15°
Input Voltage	12 VDC
Operating Temperature	-20 °C to 80 °C
Dimensions	Φ34 mm x 215 mm

*All prices, features, and specifications are subject to change without prior notice.

Be the frontier of environmental monitoring

Sanlien Technology is committed to making environments safe for humans. Hence, we insist on continuing R&D investments, perfecting our manufacturing of monitoring systems, and expanding into Smart City and IoT monitoring. With more than 1,000 local and international customers, Sanlien is trusted by global customers with high standards. By working with renowned agents around the world, we ensure the optimal performance and reliability of our services. With 50 years of profound experience in Taiwan, Sanlien has become the most exceptional provider of measuring technologies in the Asia-Pacific region. Sanlien has conceptualized the idea of being a glocal partner into a three-in-one strategy: long-term deployment of globalization, integration of local resources, and localized operations. We shall march on step by step with the stamina for running a marathon.

sanlien Sanlien Technology Corp.

+886-2-2708-1730 | www.sanlien.com | sales@sanlien.com