



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 $\pm 4\text{ V}$ at $\pm 15^\circ$ through sophisticated signal conditioning. Versatile and reliable, it is crafted for attachment to structures and capable of driving long cables without degradation.



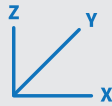
Key Features



Accurate and Precise Measurements



Accommodates Manual or Remote Reading



Available in Uniaxial and Biaxial Versions



In-built Temperature Compensation



Robust Design and Reliable

Applications

- ✓ 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	$\pm 15^\circ$ (Vertical) / $\pm 15^\circ$ (Horizontal)
Resolution	<10 arc seconds
Accuracy	$\pm 0.1\%$ F.S.
Sensor Output	$\pm 4\text{V}$ @ $\pm 15^\circ$
Input Voltage	12 VDC
Operating Temperature	-20 °C to 80 °C
Dimensions	$\Phi 34\text{ mm} \times 215\text{ mm}$

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 global 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.

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

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