



Sanlien Technology Corp.

VW Embedment Strain Gauge



Model: WSG

Be the frontier of environmental monitoring

www.sanlien.com

Introduction

The VW Embedment Strain Gauge is an advanced solution tailored for precision in measuring internal strains within mass concrete structures. This gauge features two stainless steel pads seamlessly connected by a protective tube that houses a sealed steel wire. Engineered to withstand challenging conditions, the gauge is equipped with flat circular flanges on both end pads, facilitating the transfer of concrete deformation to the embedded wire for precise strain measurement.

With a coil assembly at the center, the VW Embedment Strain Gauge offers flexible mounting options—whether pre-attached to rebar or connected to a directional rosette for multi-directional strain measurement. The gauge can also monitor temperature, providing a comprehensive approach to structural analysis.



Key Features



Accurate,
Long-term Stability



O-ring Seals Provide
Waterproofing



Accommodates Manual or
Remote Reading



Range is Adjustable to
Suit Compression or Tension



Integral Thermistor



Robust Design and Reliable

Applications

- ✓ Designed for measuring internal strains in mass concrete
- ✓ Applicable in foundations, bridges, dams, tunnel linings, and various concrete structures
- ✓ Utilizes Vibrating Wire technology for precise strain measurement

Best Suited



Foundations



Piles



Bridges



Tunnel linings

Specifications

Range	3000 $\mu\epsilon$
Resolution	1 $\mu\epsilon$
Accuracy	0.1% F.S.
Temperature Range	-20 °C to 80 °C
Waterproof	Customized
Gauge Length	150 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.

©2022 Sanlien Technology Corp. All rights reserved.



Sanlien Technology Corp.

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