

VW Embedment Strain Gauge



Be the frontier of environmental monitoring

www.sanlien.com

Model: VWSG

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



Long-term Stability



Range is Adjustable to Suit Compression or Tension



O-ring Seals Provide Waterproofing



Integral Thermistor



Accommodates Manual or Remote Reading

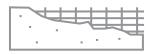


Robust Design and Reliable

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 με
Resolution	1 με
Accuracy	0.1% F.S.
Temperature Range	-20 °C to 80 °C
Waterproof	Customized
Gauge Length	150 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 continuing R&D investments, perfecting our manufacturing of monitoring systems, and expanding into Smart City and IoT monitoring. With more than 1,000 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 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.

©2022 Sanlien Technology Corp. All rights reserved.

