



Sanlien Technology Corp.

VW Rebar Strain Gauge



Model: WVRB

Be the frontier of environmental monitoring

www.sanlien.com

Introduction

VW Rebar Strain Gauge is an advanced solution for precise strain measurement within concrete structures. Strategically positioned axially inside a central length of round steel bar, this gauge is de-bonded from the surrounding concrete by a plastic coating and extended by welding rebar to each end.

Tailored for seamless integration into reinforcing cages, these gauges are precisely matched to the size and grade of the rebar, ensuring accurate and consistent strain measurements essential for structural analysis. Whether to be read manually or remotely, the gauge provides real-time monitoring as part of a data collection system.



Key Features



Accurate,
long-term stability



Available for most
rebar sizes



Accommodates manual or
remote reading



Range is adjustable to
suit compression or tension



Integral thermistor



Robust design and reliable

Applications

- ✓ Measuring strains in concrete piles
- ✓ Utilizes Vibrating Wire technology for accurate strain measurements
- ✓ Suitable for cast-in-place concrete piles

Best Suited



Mass Concrete Structures



Concrete Piles



Diaphragm Wall



Tunnel linings

Specifications

Range	3000 $\mu\epsilon$
Diameter	14, 16, 18, 20, 22, 25, 28, 32, 36, 40 mm
Resolution	0.4 $\mu\epsilon$
Accuracy	$\pm 0.25\%$ F.S.
Temperature Range	-20 °C to 80 °C

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