

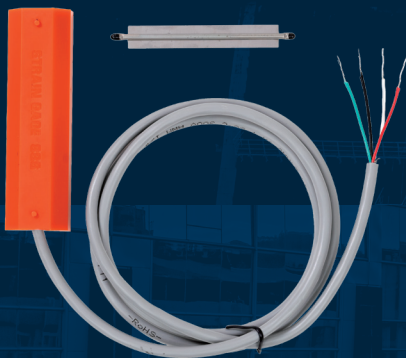
Weldable Strain Gauge

VW Arc



Model: SG-1001

VW Spot



Model: SANPVG-002

Introduction

VW Arc-Weldable Strain Gauge has a steel cord with two ends fixed on a metal rod. When the metal rod sustains a micro deformation caused by an external force, the vibration frequency of the steel cord varies according to the deformation. Such gauges can be installed on rod elements of steel structures to monitor stress distribution.

VW Spot-Weldable Strain Gauge, as the name suggested, can be welded to load-bearing beams or tunnel segments to measure its strain. it can provide accurate, reliable, and stable data reading over long lengths.



Key Features



High Accuracy



High Resolution



Compatible with
dot series datalogger



Waterproof

Applications

- ✓ Monitoring distribution of load in pile tests
- ✓ Monitoring areas of concentrated stress in pipes
- ✓ Measuring strain in tunnel linings and supports
- ✓ Monitoring load in struts used to brace deep excavations
- ✓ Monitoring structural members of buildings and bridges during and after construction.

Best Suited



Struts



Tunnel Segment



Sheet Pile Walling

Specifications

	VW Arc-Weldable Strain Gauge	VW Spot-Weldable Strain Gauge
Sensor type	Vibrating Wire Sensor	Vibrating Wire Sensor
Accuracy	±0.1% F.S.	±0.1% F.S.
Measuring Range	3000 micro-strain	3000 micro-strain
Sensitivity	1 micro-strain	1 micro-strain
Temperature Type	Thermistor	Thermistor
Temperature Resolution	0.1°C	0.1°C
Working Temperature	-30°C to 80°C	-30°C to 80°C
Dimension (W x L x H)	21.8 x 164.5 x 21.8 mm	Sensor: 85 x 25 x 14 mm Strain gauge: 70 x 9 x 2.4 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 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.

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