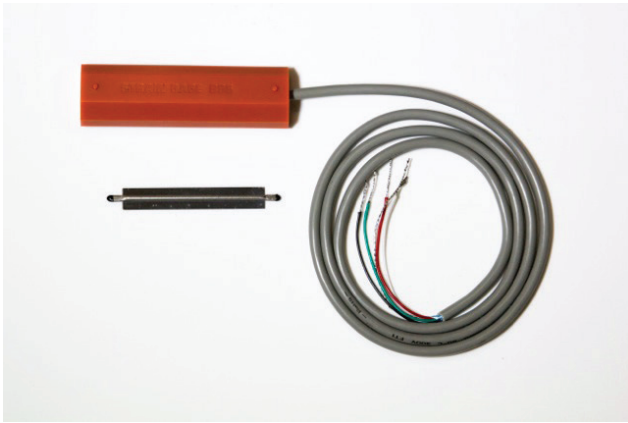


# VW Spot-Weldable Strain Gauge



## Specifications

|                            |                   |
|----------------------------|-------------------|
| Type                       | VW                |
| Range                      | 3000 micro-strain |
| Accuracy                   | 0.1% F.S.         |
| Sensitivity                | 1 micro-strain    |
| Operating temperature      | -30 ~ 80°C        |
| Gauge length               | 150mm             |
| Rod length                 | 165mm             |
| Induction coil wire length | 3M                |

2 metallic holders, 1 fixed ring

## Introduction

Vibrating wire strain gauges are used to monitor strain in structure surface for safety and stability. VW spot-weldable strain gauges are easily fixed on steel beam or pipe surface using spot-welders and little installation space. The gauge is composed by a tense wire enclosed in a metallic cylinder. The wire is excited with electric signal via coils fixed on the gauge plastic cover. Strain on the structure surface is recorded through changes in the vibrating wire frequency.

## Application

Suitable for stress and strain monitoring of:

- Load support system
- Steel structure
- Stress in concrete section

## Type

Model: SANPVG-001 (sensor)  
SANPVG-002 (VW tablets)

## Features



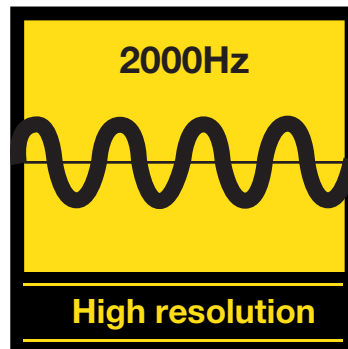
### High accuracy

Good steel surface fitting enhancing the accuracy of the strain gauge.



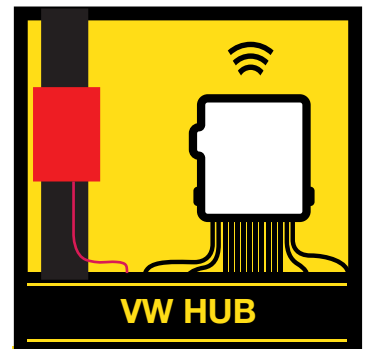
### Waterproof

Humidity or distance has no effect on signal propagation, assuring accurate data at all time.



### High resolution

Up to 2000Hz.



### VW HUB

It is easy to integrate within VW hub.