



Stickable Strain Gauge

GA – SSG

Overview

GeoAnts SSG (Stickable Strain Gauge) is a structure made of an aluminum body that contains a strain gauge on its inner side. The strain gauge is adhered to the surface to be measured with a strong adhesive (epoxy). The strain effects that the section is exposed to are transmitted to the body and the strain gauge. The mechanical changes, together with the instantaneous strain changes that occur, are reflected as a signal output to the measurement unit. The deformation or stress in the section can be easily calculated depending on the scaling factor. No welding is required from installation to measurement.

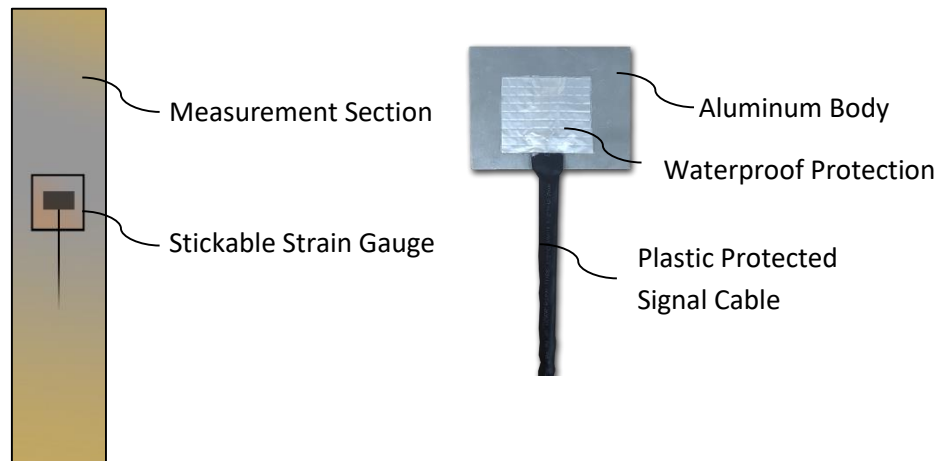
Features

- Stable measurement against UV and hard conditions
- Dynamic measurement
- Water, moisture and vapor proof
- Corrosion resistance thanks to stainless steel main material
- Design free from temperature effects caused by voltage supply
- Possibility to use on any surface where measurement is desired thanks to easy applicability and stickability

Application Area

- Pile Load Testing
- Tunnel Linings
- Bridges and Railroad Bases
- Strut and reinforcement
- Steel structures
- Mass concrete structures

Product Detail



Cautions !

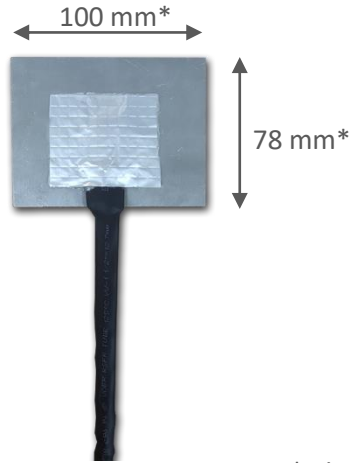
- When measuring changes in prestressed concrete by laying it on mass concrete, there may be shrinkage or expansion during the curing process. To prevent damage to the signal cable, an expansion tube should be installed around it.

Technical Specifications

Sensor Type	Resistive Type Strain Gauge	Recommended Excitation Voltage	(4-10) V
Measuring Range	3000 $\mu\epsilon$ ($\pm 1500 \mu\epsilon$)	Working Temperature	-25 °C - 80 °C
Output Rate	2 mV/V	Waterproof	IP68
Accuracy	$\pm 0.8\%$ F.S	Material	Aluminum
Nonlinearity Rate	$\pm 2.0\%$ F.S	Resistance	350 Ω

*F.S: Full Scale

Dimensions



* The dimensions given are standard production dimensions. It can be customized upon request.



Geodestek Ltd., ODTÜ Teknokent Gümüş Blok, K1-12, Çankaya, Ankara, TÜRKİYE

www.geodestek.com

www.geoants.com

geoants@geodestek.com

t +90 (312) 460 1399