Dynamic Concrete Strain Gauge
Model CSG-3000

Dynamic concrete strain gauges measure axial strain in the concrete under high frequency (dynamic) conditions. Utilizing four active elements of a Wheatstone bridge circuit, this gauge compensates for temperature, rejects bending strain (may also be configured to measure bending and reject axial strains), compensates for lead resistance and providing a sensor that is easily adaptable to most data acquisition systems without requiring additional signal conditioning.

Because of their low profile design, these sensors can be used in concrete pavements, columns, walls, bridge elements or wherever dynamic strains need to be measured.

Each sensor is provided with end washers, nuts and are individually calibrated and supplied with fabrication Quality-Control documentation.

Specifications	
Bridge Circuit	Four active 350-ohm strain gauges
Range	±2000 microstrain
Sensitivity at 1000 ME	~ 1.3 mVout/Vexc
Excitation	up to 10 Volts
Temperature Range	-34°C to +100°C
Lead Wire	24 AWG, twisted four-wire with shielding

Specifications subject to change without notice on account of continued product development

*How To Order:

Model Number: CSG-3000
Part Number: 815-00002

When ordering, please specify:
- ✓ Quantity of strain gauges
- ✓ Required cable length per gauge

Purchase of Strain Gauge Includes:
Installation of customer specified length of lead wire
Gauge factor correction for lead wire desensitization
Tension load application and data collection in µ-strain/mV
Labor for calibration and data collection

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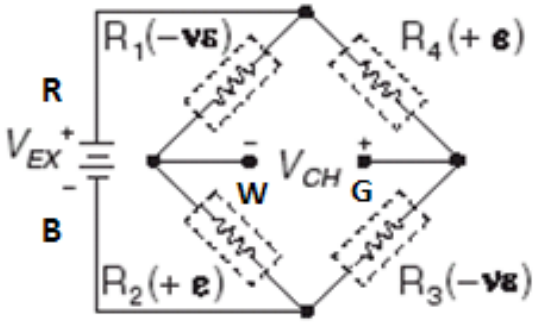
Dimensions:

5/16" Diameter by 8" Long Sensor

Wiring/Pin-out:



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