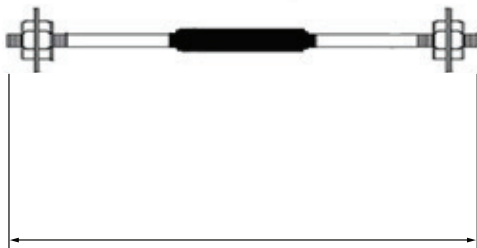


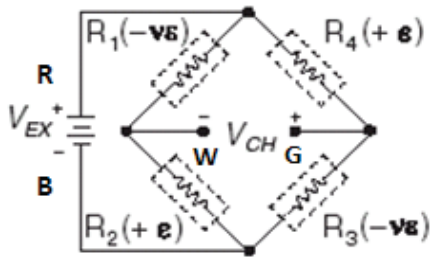
Dynamic Concrete Strain Gages

Dynamic Concrete Strain Gages (CSG) measure axial strain in rigid pavement under long-term static (slab curling) or high-frequency dynamic (pavement response to trafficking) conditions. These ruggedized sensors are built to withstand the harsh conditions of concrete placement and vibration.

Utilizing four active elements of a Wheatstone Bridge circuit, this gage is easily adaptable to most data acquisition systems. Each sensor is individually calibrated with overall lead wire length attached and is provided with QC documentation and calibration plots.



5/16" Diameter by 8" Long Sensor



SPECIFICATIONS:

BRIDGE CIRCUIT

Four active 350-ohm strain gages

RANGE

±2000 microstrain

SENSITIVITY AT 1000 ME

~ 1.3 mV_{out}/V_{exc}

EXCITATION

up to 10 Volts

TEMPERATURE RANGE

-34°C to 100°C

LEAD WIRE

24 AWG, twisted four-wire with shielding

