Dynamic Asphalt Strain Gages

Dynamic Asphalt Strain Gages (ASG/VASG) - measure axial strain in flexible pavement under high frequency (dynamic) conditions. These low modulus, ruggedized sensors are built to withstand the high temperature and vibratory rolled compaction required for asphalt placement.

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 high temperature resistant lead wire attached and is provided with QC documentation and Calibration plots.

SPECIFICATIONS:

**BRIDGE CIRCUIT**
- Four active 350-ohm strain gages

**RANGE**
- 15,000 microstrain

**SENSITIVITY AT 1000 ME**
- $\sim 1.3 \text{ mV}_{\text{out}} / V_{\text{exc}}$

**EXCITATION**
- up to 5 Volts

**TEMPERATURE RANGE**
- -34°C to 200°C

**LEAD WIRE**
- 30 AWG, twisted four-wire with shielding