

Dynamic Asphalt Strain Gage

Model ASG-3000-HT



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

This low modulus, ruggedized sensor is built to withstand the high temperature and vibratory rolled compaction required for asphalt placement. Each sensor is individually calibrated and supplied with fabrication Quality-Control documentation.



Specifications	
Input Resistance	350 Ω Nominal
Output Resistance	350 Ω Nominal
Sensitivity at 1000 $\mu\epsilon$	~ 1.3 mV/V Nominal
Excitation	2 – 5 VDC
Operating Temperature Range	-34°C to +200°C
Lead Wire	#22 AWG Truck-Weight Lead Wire

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

***How To Order:**

Model Number: ASG-3000-HT

Part Number: 813-00002

***When ordering, please specify:**

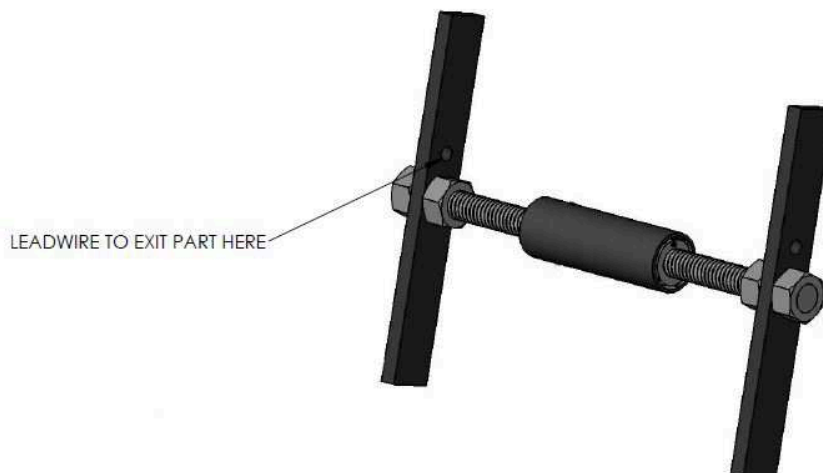
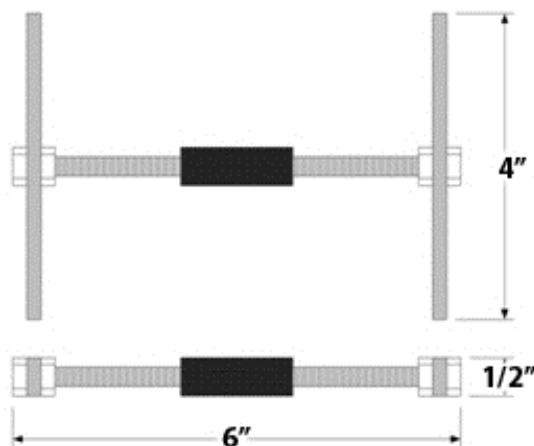
- ✓ Quantity of strain gages
- ✓ Required cable length per gage

Purchase of Strain Gage Includes:
Installation of customer specified length of lead wire
Gage 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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Jewell
Instruments

Dimensions:



Wiring/Pin-out:

