

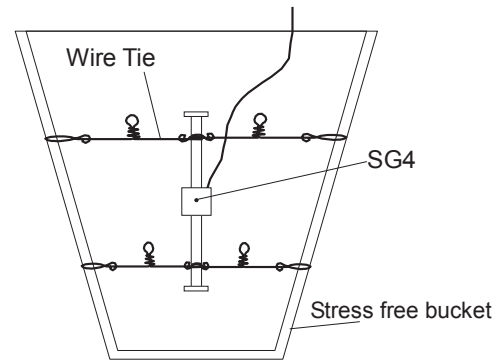
Main Specifications

Model	CGEO-SG4-150	CGEO-SG4-250	CGEO-SG4X
Range	3000 $\mu\epsilon$	2500 $\mu\epsilon$	3000 $\mu\epsilon$
Resolution	1 $\mu\epsilon$	0.5 $\mu\epsilon$	1 $\mu\epsilon$
Accuracy	0.1% F.S.		
Temperature Range	-20 to + 80 °C		
Waterproof	Customized	Customized	Customized (Standard 0.5MPa)
Gauge Length	150mm	250mm	150mm

Operation

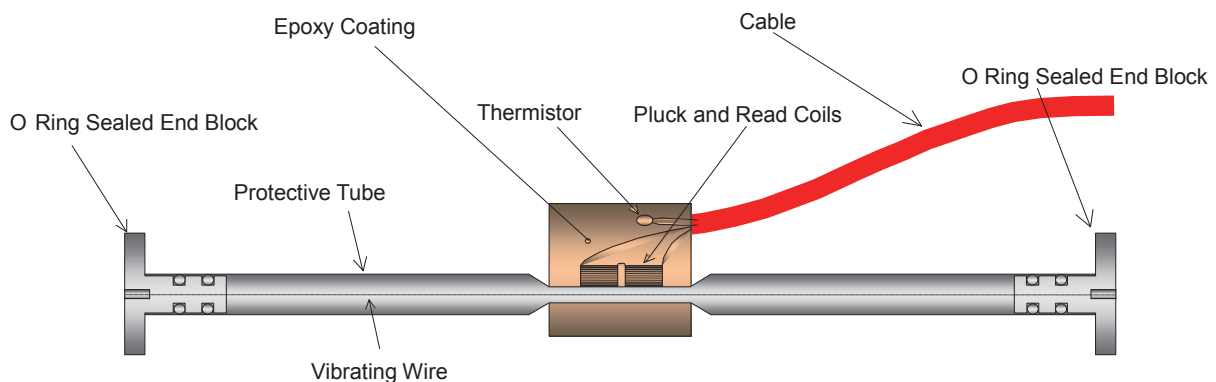
The Model CGEO-SG4 Embedment Strain Gauge is installed prior to concrete pour and protected during the pour to prevent damage.

The gauge may also be pre-cast into a concrete briquette for subsequent casting into the structure, or embedded into holes drilled into an existing structure. The pickup coil is fitted over

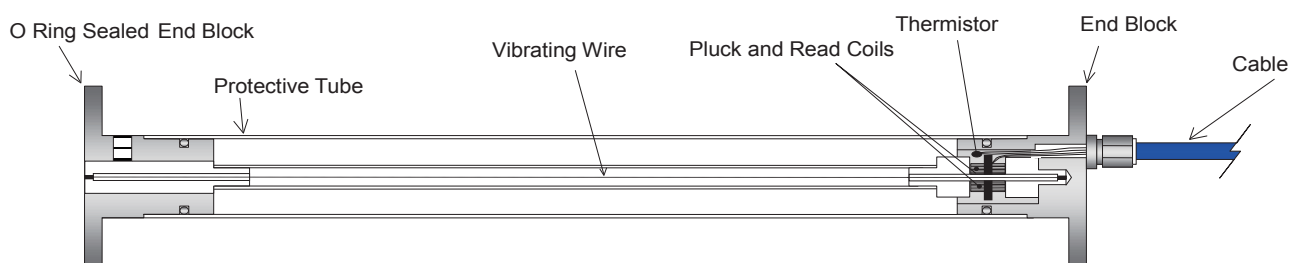


Model CGEO-SG4 Axial Mounting

a flattened section in the centre of the gauge tube and held in place using a securing clamp; this can be installed on site immediately prior to installation. The sensor is then installed by placing the gauge at a location in the structure suitable for accurately passing microdeformation from the surrounding cured concrete to the gauge. Cables from the gauges are run to a readout, a terminal box, or a data logging point.



Model CGEO-SG4 Vibrating Wire Embedment Strain Gauge



Model CGEO-SG4-250 Vibrating Wire Embedment Strain Gauge



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