

Strain Gauges

Purpose

Strain gauges are used to monitor axial load in steel and concrete structures

Type

I) Weldable

Arc-Weldable Vibrating Wire Strain Gauge

Spot-Weldable Vibrating Wire Strain Gauge

II) Embedment

Embedment Vibrating Wire Strain Gauge

Applications

I) Weldable Strain Gauge

Monitor load in struts for deep excavations;
stresses in structural members of buildings, bridges, tunnel linings and supports
during and after construction; and
distribution of load in pile tests.

II) Embedment Strain Gauge

Measure strains in reinforced concrete;
changes in load;
curing strains; and
strain in tunnel linings and supports.



Arc-weldable vibrating wire strain gauge



Embedment vibrating wire strain gauge



Spot-weldable vibrating wire strain gauge



*Spot-weldable vibrating wire strain gauge
installed on struts*