

Strain Gauge Load Cells

Description

Strain Gauge Load Cells incorporate from 8 to 16 high output electrical resistance strain gauges in a full bridge configuration that are bonded to a high strength steel or stainless steel spool. This arrangement compensates for both temperature effects and off center loading. Strain Gauge Load Cells are available in virtually any size, in both annular and solid styles. Gauge waterproofing utilizes the latest application techniques and protective materials. The rugged design includes heavy duty protective cover, sealed construction, and low deflection under load.

Mounting surfaces should be flat and parallel for optimum performance. RST recommends the use of top & bottom loading platens for best performance with annular load cells.

STRAIN GAUGE LOAD CELL SPECIFICATIONS

ITEM	SPECIFICATION
Capacity	22.5 kN to 10675 kN (5,000 lbs to 2,400,000 lbs)
Hole Size	16 mm to 356 mm (5/8 in. to 14 in.), as required
Material	High strength steel or stainless elements
Temperature Compensation	-40°F to +107°F (-40°C to +40°C)
Overrange	100% FS
Sensitivity	±2.0mV/V

SPECIFICATIONS