

Measurement Of Length By Strain Gauge Load Cell



Product Categories: [Electronics](#), [Engineering Equipment](#), [Instrumentation Lab](#), [Instrumentation Lab](#)
Product Page: <https://www.labappara.com/product/measurement-of-length-by-strain-gauge-load-cell/>

Product Description

Measurement Of Length By Strain Gauge Load Cell

When steel cylinder is subjected to a force, it tends to change in dimension. On this cylinder, if the strain gauges are bonded, the strain gauge also is stretched or compressed, causing a change in its length and diameter. This change in dimension of the strain gauge causes its resistance to change. This change in resistance or output voltage of the strain gauge becomes a measure of applied force.

Strain gauge load cells are used when the load is not steady.

Strain gauge load cells are used in vehicle weigh bridges, and tool force dynamometers.