

Pressure Gauge

Definition

A pressure gauge is a mechanical instrument designed to measure the internal pressure and/or vacuum of a vessel or system. Pressure Gauges are offered in a variety of styles, sizes, and wetted part materials to meet the demands of standard and special applications.

Principles of Operation

Pressure Gauges are constructed with a bourdon tube sensing element. When the sensing element is subjected to pressure, it flexes and the resulting motion is transmitted as a measurement through a mechanical movement to the dial face pointer.

Technical Specification

Process Connection: ½ inch, 3/4 inch & 1 inch.

Dial Sizes: 2½" & 6" (63 & 150 mm)

Ranges: Vacuum / Compound to 200 psi (16 Bar), Pressure from 15 psi (1 bar) to 15,000 psi (1000 Bar).

Accuracy: ±1.0% of full scale

Pointer: Red Aluminum /Black Aluminum.

Case: 304 stainless steel /Die cast Aluminum .

Window : Safety glass with Buna-N gasket

