

MUD Gauges

MODEL : MUDG



Features

- Designed for Oil industries / Coal industries.
- This Gauge is specially designed to measure the pressure of pulsating fluids including solid particles in suspension of stand pipe of mud pumps.
- It can also be used for any other fluids.
- Its sturdy construction can undergo severe working conditions.
- The pressure ranges meet every requirement of the oil industry.
- Pressure too high indicates a plugged drill bit or an increase in mud density or viscosity. Early indication of mud pump pressure provides an early warning of circulation problems enabling driller to make suitable corrections and helps to avoid major problems.



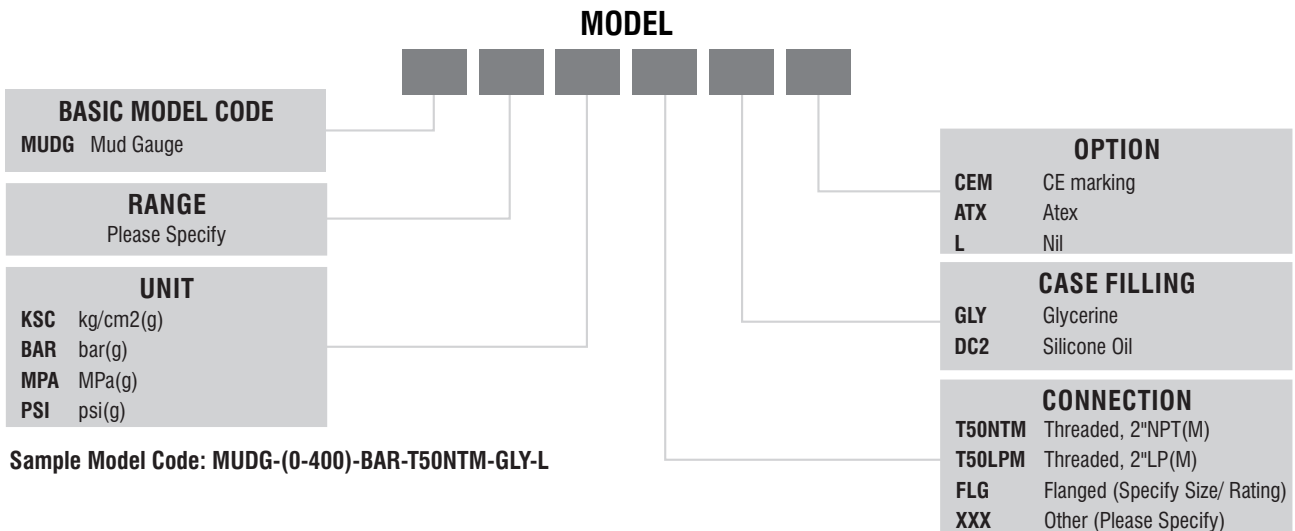
Operating Principle

- The pressure is transmitted by a stainless steel diaphragm (1.4404/AISI 316L) to a liquid (silicon oil) which totally fills the Bourdon tube, the capillary tube and the pressure chamber.
- A rubber plug isolator protects the stainless steel diaphragm from the circuit.
- The sudden pressure variations are dampened in the capillary tube (connection pipe)
- The whole pressure element is mounted in an oil-filled case which absorbs all the displacements of the movable parts as well as the external vibrations.
- The oil also ensures the lubrication of the linkages, eliminates corrosion and avoids condensation on the window of the pressure gauge.

Specifications

Dial	Nominal gauge size - 4" (100 mm)	Accuracy	± 1% FSD
Dial type	Moving (Rotating), Aluminium, white background, black markings	Over range	130% FSD
Window	Perspex Safety Glass	Sensing Element	SS 316L, Diaphragm
Bourdon Tube	SS 316	Seal Chamber	SS 316
Movement	SS 304	Sealing Fluid	Silicone Oil
Range	0 to 100 Bar Min to 0 to 420 Bar Max	Mud Protection	Nitrite Rubber Pad
Body	Die Cast Al weatherproof to IP-68	Process Connection	2" LP(M) / 2" NPT(M) / Flanged
		Case Filling	Glycerine / Silicone Oil
		Option	CE, Atex

Ordering Information



The parameters mentioned here are the standard specifications/ values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.