

MAIN 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.



SUGGESTED APPLICATIONS

MUD Pump
Stand Pipe Mud Pump
Petroleum
Well Drilling

TEMPERATURE EFFECT

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :-

Formula : $\pm 0.08 \times (t_2 - t_1) \% \text{ of F. S.}$

where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.

BASIC DESCRIPTION

Sensing element : SS 316L, Diaphragm

Accuracy: $\pm 1.0\%$ of full scale

Ambient temperature: -40...+65°C

Service temperature: 100°C max.

Steady pressure: Up to FS value

Fluctuating pressure: Up to 90% of FS value

Over-pressure: 1.3 x FS value \leq 100 bar

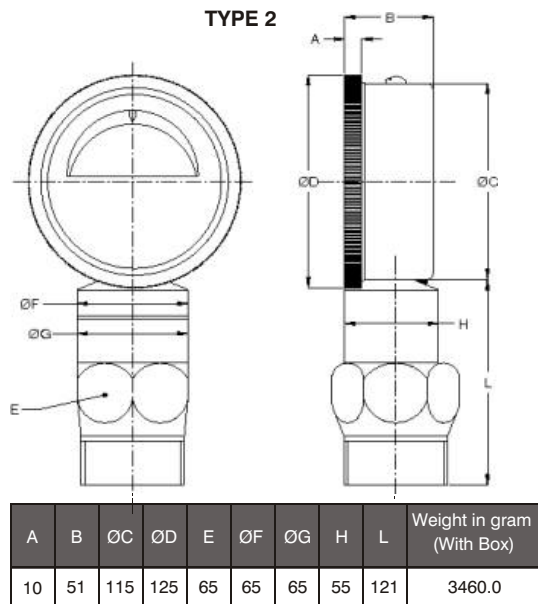
MUD GAUGE

Standard Version : 100mm

Accuracy:	$\pm 1.0\%$ of F. S.
Dial:	Nominal gauge size - 4" (100 mm)
Dial Type:	Moving (Rotating), Aluminium, white background, black markings
Sensing Element:	SS 316L, Diaphragm
Window:	Perspex Safety Glass
Bourdon Tube:	SS 316
Movement:	SS 304
Range:	0 to 100 Bar Min to 0 to 420 Bar Max Die
Case:	Cast Al weatherproof to IP-68
Over Range:	130% FSD
Sensing Element:	SS 316L, Diaphragm
Seal Chamber:	SS 316, Hexagonal
Sealing Liquid:	Silicone Oil
Mud Protection:	Nitrile / Viton Rubber Pad
Process Connection:	2" LP(M) / 2" NPT(M) / Flanged
Case Filling:	Glycerin / Silicone Oil

DIMENSIONAL DRAWINGS

115mm



MODEL CODING

MODEL	-	DIAL SIZE	MOUNTING	CONNECTION	CASE EXECUTION	/	RANGE	/
PGMD = MUD GAUGE		100 = 100mm 115 = 115mm	B = Direct Bottom	M2N = ¼" NPT (M) M2B = ¼" BSP (M) M4N = ½" NPT (M) M4B = ½" BSP (M) M2M = M12 X 1.0P M4M = M20 X 1.5P M3B = ¾" BSP (M)	D = Dry but fillable G = Glycerin filled S = Silicone Oil		0...40 to 0...800 bar or equivalent units	

OTHER OPTIONS		
FF = Front flange with back mounting (3 Hole Panel) UC = Surface Plate TS4 = Tag plate in SS 304 TS6 = Tag plate in SS 316	CD = Custom Design Dial TD = Tag Marking on Dial	MTC2,2 = Material test certificate, 2,2 MTC = Material test certificate, 3.1 CC = 5-point calibration certificate

ORDERING EXAMPLE PGMD-100.B.M4N.D/RANGE/CC.TS4

QUICK ORDER DETAILS / FEEDBACKS

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