



HYDRO TURBINE ENGINEERING DIVISION

TITLE : STANDARD SPECIFICATION OF PRESSURE GAUGES

Annexure to PI

REV.NO.
00

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1. DISCRIPTION:

Pressure gauge with built in internal dampening device, stainless steel Bourdon tube type, suitable for Air/Water/Oil application.

2. TECHNICAL PARAMETERS:

- 1.) Dial size : Dia 150 / Dia 160 mm
- 2.) Least count : 1 kg/cm² & 1bar below 0 to 60 kg/cm² or 0 to 60 bar range
: 5 kg/cm² & 5bar above 0 to 100 kg/cm² or 0 to 100 bar range
- 3.) Accuracy : 1% FSD
- 4.) Over range protection : : 15 %
- 5.) Operating Temperature : (-)30 °C – (+) 65 °C
- 6.) Pointer : Black aluminium.
- 7.) Dial : White aluminium black lettering.
- 8.) Case : Natural finish stainless steel with pressure relief in case top or back.
- 9.) Window : Laminated steel glass.
- 10.) Movement : Stainless steel.
- 11.) Bezel Ring : Cam rings (bayonet type) natural finish stainless steel.
- 12.) Connections & Mounting : 3/8” BSP (M) with 22 A/F **Bottom entry** for Surface & Pipe mounting,
- 13.) Protection class : IP 65
- 14)Pressure Range : -1 to +5 kg/cm² and -1 to +5 bar (Dual marking)**
0 to 16 kg/cm² and 0 to 16 bar (Dual marking)
0 to 60 kg/cm² and 0 to 60 bar (Dual marking)
0 to 100 kg/cm² and 0 to 100 bar (Dual marking)
0 to 160 kg/cm² and 0 to 160 bar (Dual marking)
0 to 200 kg/cm² and 0 to 200 bar (Dual marking)
- 15.) Pressure gauge shall be equipped with toothed wheel and segments of machined type of S.S.

NOTE: Dial must be DUAL MARKED i.e. in kg/cm sq. and in bar

3. DOCUMENTATION:

Three copies of catalogue /drgs. showing overall dimensions, mounting detail, setting instructions, connections size etc. to be supplied along with the offer.

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PRD		UTION.	.	- sd -			
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GAUGE**

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00**PAGE : 02 OF 02****4. TESTING & CALIBRATION CERTIFICATE:**

All the pressure gauges are to be supplied in fully tested & calibrated conditions. 6 copies of test and Calibration certificate are required.

5. GUARANTEE CERTIFICATE:

Supplier shall submit the 6 copies of guarantee certificate against bad workmanship / defective material for the period of 18 months from the date of dispatch OR 12 months from the date of commissioning.

Make :- Budenberg /Ashcraft /Wika /Forbes Marshal