

Badotherm pressure gauge model BDT15 is available in 160 mm diameter. The standpipe mud pump pressure gauge is a heavy duty gauge specially designed for oil well drilling applications. The unit will withstands high pressure pulsations and is vibration proof up to max 15 Hz with amplitude of 1 mm. The internal system consists of a stainless steel diaphragm separator combined with a bourdon tube, filled with a pressure transferring fluid. The instrument is protected against hammer and pressure peaks by means of an internal peak restrictor device.



DESIGN INFORMATION

DESIGN NORM	SAFETY DESIGNATION	INGRESS PROTECTION
EN 837-1	S1 as per EN 837-2	IP 65 per IEC 60529

STANDARD MODEL MATERIAL SPECIFICATIONS

WINDOW	CASING	BEZEL	POINTER
safety glass	AISI304	AISI304	aluminium
TUBE	SOCKET	MOVEMENT	DIAL
AISI316	AISI316	stainless steel	aluminium

TECHNICAL SPECIFICATIONS

	160 mm
Connection	2"LP/NPT
Minimum Range	250 bar
Maximum Range	1000 bar
Accuracy	1.6% FSD
Pointer	fixed
Diaphragm	AISI316 protected with rubber or polyurethane diaphragm

OPTIONS

DIALS	customized – non-standard ranges or logos
FILLING	BPF02 (silicone)
CALIBRATION CERTIFICATES	5 points (rising and falling)
CONFORMITY CERTIFICATES	2.1, 2.2, 3.1, KIM, or PED

DATA SHEET

BDT15 – MUD PUMP PRESSURE GAUGE

PRESSURE DETAILS

WORKING PRESSURE

steady	full scale value
fluctuating	0.9 x full scale value
Short time	see over-pressure table

OVER-PRESSURE

type	range	over-pressure at 20°C
BDT15	101 bar / 600 bar	1.15 x full scale value
BDT15	601 to 1600	1.10 x full scale value

Only withstand for a short period of time

TEMPERATURE DETAILS

FILLING FLUID

		ambient	process
-	without	-40°C to 60°C	200°C
BPF02	silicone	-40°C to 60°C	90°C

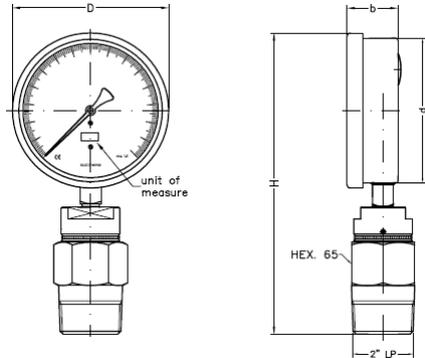
TEMPERATURE EFFECT

The variation of indication caused by the effect of temperature shall not exceed: $\pm 0.04 \times (\text{ambient temperature} - \text{reference temperature})\%$ of the span

MOUNTING VARIATIONS

- type A bottom connection, direct mounting
- type B back connection, panel mounting, clamp fixing
- type C bottom connection, surface mounting
- type D back connection, direct mounting
- type E back connection, panel mounting

DRAWINGS



ns	D	d	b	H	weight	weight filled
160	160	150	52	310	4.2 kg	

All dimensions in mm



Holland – United Kingdom – Romania – India – Thailand – Dubai

To our knowledge, the information contained herein is accurate as of the date of this document. However neither Badotherm, nor its affiliates makes any warranty, express or limited, or accepts any liability in connection with this information or its use. This information is for technical skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other product. The user alone finally determines suitability of any information or material in contemplated use, the manner of use and whether any patents are infringed. This information gives typical properties only.

Badotherm reserves the right to make changes to the specifications and materials without prior notice. The latest version of the datasheet can be found on www.badotherm.com.

© 2001 Badotherm, all rights reserved. Trademarks and/or other products referenced herein are either trademarks or registered trademarks of Badotherm.