


BDT13-350

Badotherm model BDT13 series gauges are available with bourdon tube, diaphragm or piston systems. The BDT13-350 stainless steel bourdon tube differential gauge has two tubes and one pointer to read the differential pressure and is available as 100 mm dia.

All Badotherm stainless steel tubes are made from seamless drawn tube.

stainless steel bourdon tube differential gauge

mounting variations

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

technical specification model BDT13-350

diameter	connection	window	ranges
100 mm	1/4" BSP/NPT	glass	from 0.4 / 25 bar
casing	tube	movement	dial
AISI304 bayonet	AISI316	stainless steel	aluminium
bezel	socket	pointer	accuracy
AISI304 bayonet	AISI316	aluminium	1.6% FSD

Note: standard static pressure 2 x differential range
special static pressure 3 x differential range

options and special executions at extra cost

casing	AISI316
bezel	AISI316
window	safety glass
dials	customized – i.e., non standard ranges or logos
certificates	calibration -; conformity -; material
manuals	installation and maintenance
pointer	adjustable slotted; adjustable micro
connection	METRIC; BSPT; acc JIS in various sizes
restrictor	AISI316
connection position	top or side
drag-pointer system	for dia 100 mm
red pointer	on dial
special versions	with MONEL internals type BDT13-350-M
filling	glycerine; silicone; fluorolube
with contact devices	BDT31-01 series

BDT13-350 - technical data sheet

pressure details

working pressure

Steady	full scale value
Fluctuating	0,9 x full scale value
Short time	see over-pressure table

pressure element

	<100 bar	≥ 100 bar
BDT13-350	AISI316	-

over-pressure

max. scale in bar	over-pressure at 20 °C
-1 to 100	1,25 x full scale value

Note : only withstand for a short period of time

temperature details

temperature limitations

	ambient	process
without filling	-40 °C to 60 °C	200 °C
glycerine filling	-25 °C to 60 °C	60 °C
silicone filling	-40 °C to 60 °C	90 °C

The variation of indication caused by the effects of temperature shall not exceed :

$\pm 0,04 \times (\text{ambient temperature-reference temperature})\%$
of the span

design information

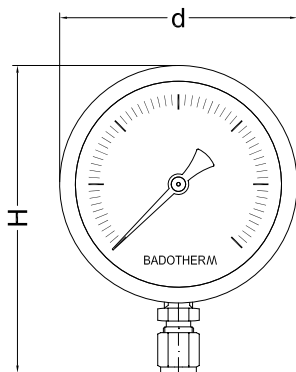
ingress protection

IP 65 per EN 60 529 / IEC 529

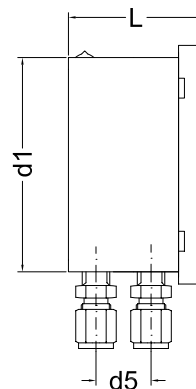
design

EN 837-1

drawings



type A



type D

dimensions

ns	d	d1	L	H	d5	weight
100	118	103	64		23	kg

Note : dimensions are in mm