


BDT13-918

Badotherm model BDT13-918 series gauges are available in 100/160 mm dia. These gauges are designed to measure the differential pressure of clean dry low pressure gasses by means of a capsule system. Standard with stainless steel internals. Maximum static pressure 1 bar. Operating medium temperature +70 °C.

stainless steel differential capsule pressure 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 BDT13-918

diameter	connection	window	ranges
100/160 mm	1/2" BSP/NPT	plastic	from 6/400 mbar
casing	capsule	movement	dial
AISI304 bayonet	AISI316	nickel plated	aluminium
bezel	socket	pointer	accuracy
AISI304 bayonet	AISI316	aluminium	2,5% FSD

Note: not suitable for application of pressure to one side only
special executions on request

options and special executions at extra cost

casing	AISI316
bezel	AISI316
window	safety glass; toughened 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
red pointer	on dial
special version	with BRASS internals type BDT13-908

BDT13-918 - technical data sheet

pressure details

working pressure

Steady	full scale value
Fluctuating	0,9 x full scale value

pressure element

	capsule system
BDT13-918	AISI316

over-pressure

no overpressure safety when pressure applied at one side only

temperature details

temperature limitations

	ambient	process
standard	-40 °C to 60 °C	60 °C

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

$\pm 0,06 \times (\text{ambient temperature} - \text{reference temperature})\%$
of the span

design information

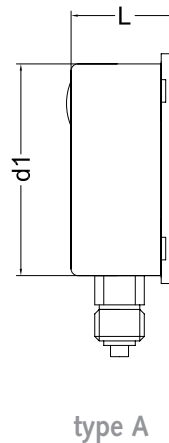
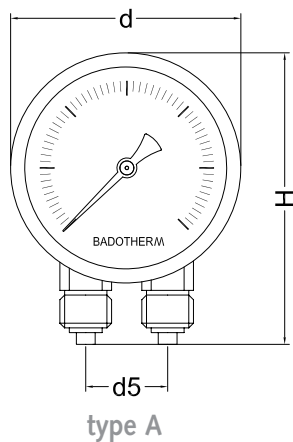
ingress protection

IP 54 per EN 60 529 / IEC 529

design

EN 837-1

drawings



dimensions

ns	d	d1	L	H	d5	weight
100	110	100	55	140	54	1,1 kg
160	160	149	60	198	54	1,4 kg

Note : dimensions are in mm