



112AAL160



112AAL100



112AAL63

Application

- ✔ Hydraulic systems, pumps and presses
- ✔ Measuring needs with sudden or dynamic pressure changes
- ✔ Vibrating machineries, diesel engines
- ✘ Do not use directly for medias that are viscous, crystallizing and corroding copper alloy

Special Features

- ✔ Re-calibratable and re-adjustable
- ✔ Popular bayonet bezel design
- ✔ No leakage guaranteed
- ✔ Heavy duty mechanism for dial sizes 100 & 160mm

Description

ZEDEYES oil-fillable pressure gauges are designed for plants and machinery with pulsating pressures or mechanical vibrations. Liquid filling helps protect the mechanism and supports stable readings in demanding service. Model 112AA is shock resistant when filled and uses a heavy-duty mechanism for 100 mm and 160 mm dial sizes. Accuracy is 1% according to EN 837-1. Safety glass and a micro-adjustable pointer are additional advantages for 100 mm and 160 mm dial sizes.

As the pressure element and connection are copper alloy, media compatibility and clogging must be considered. The 112AA is constructed with a matte stainless-steel case and a DIN-type bayonet bezel. ZEDEYES pressure gauges use geometrically balanced dial designs for clear, convenient reading.

Default Specification

Design	Nominal sizes in mm
EN 837-1	63, 100, 160
Process Connection	
Brass NS 63: G ¼ NS 100,160: G ½	Bottom connection: 112AAL Center or lower back connection: 112AAB
Temperature Effect	Pressure Element
± 0.04 x (t ₂ -t ₁) % of the span t ₁ is the Reference temperature in degrees celsius. t ₂ is the Ambient temperature in degrees celsius.	Copper alloy C-type for ≤ 60bar Helical for > 60bar
Pressure Limitations	
NS 63 Steady: 75% of full scale Fluctuating: 65% of full scale Over-Pressure: 100% of full scale	NS 100, 160 (Heavy duty) Steady: 100% of full scale Fluctuating: 85% of full scale Over-Pressure: 130% of full scale (short time)
Scale Range	Permissible Temperature
NS 63: 0...1 bar to 700 bar NS 100,160: 0...0.6 bar to 700 bar Vacuum & compound ranges	Ambient: -20...+60 °C Medium: +65 °C Maximum
Pointer	Window
NS 63: Aluminum Pointer NS 100, 160: Micro-Adjustable Pointer	NS 63: Instrument Glass NS 100,160: Safety Glass
Pressure units	Accuracy
bar/psi	NS 63: 1.6% of full scale NS 100, 160: 1% of full scale
Filling oil	Dial
Glycerin	Aluminum
Case	Movement
Matte SS304 (DIN type)	Copper alloy

112AAL63



112AAL100

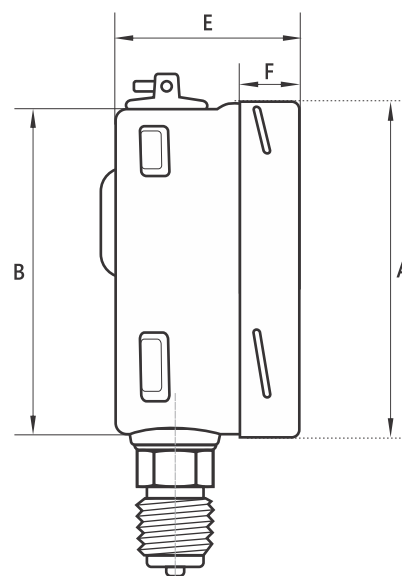
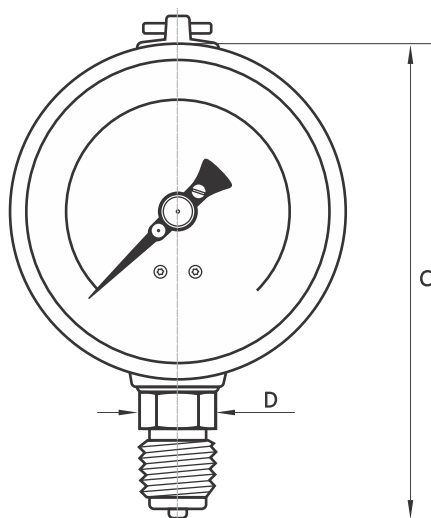


Options

- Requested process connections other than stated in the table
- Silicon oil or to be shipped without oil
- Other pressure units
- Safety glass for 63mm

Dimensions (in mm)

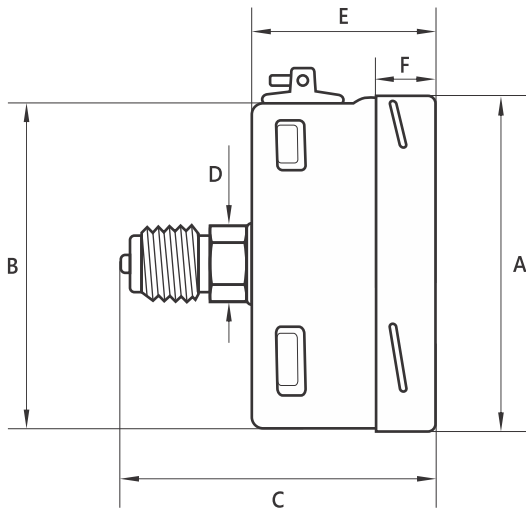
DS 63, 100, 160 Bottom Connection



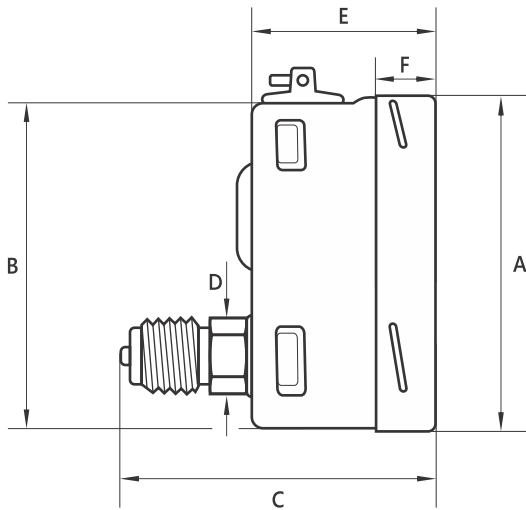
112AAL

Nominal Size	A	B	C	D	E	F	KG
63	63.5	62.2	89	14	33.5	12.5	0.23
100	100.4	99	136	22	48.5	16.5	0.84
160	160.5	158.5	195.5	22	48.5	17.5	1.7

■ DS 63 Center Back Connection



■ DS 100 Lower Back Connection



112AAB

Nominal Size	A	B	C	D	E	F	KG
63	63.5	62.2	59	14	34	12.5	0.245
100	100.4	99	88.8	22	48.5	16.5	0.88

Thread Type	Code
NPT	N
BSPP (G)	B
BSPT	Z
Metric	M

Thread Size	Code
1/4	4
1/2	2
3/8	3
1/8	8
for metric sizes write the number	M20×1.5

How To Order

	Product Group Name	Model	Mounting	Nominal Size	Thread Type	Thread size	Scale Range	Options
Example:	Oil filled Pressure Gauge	112AA	L	100	B	2	0...25bar-psi	–

Or simply order by item number on the basis of your previous purchases.

