GLYCERINE-FILLE PRESSURE GAUGE

High-precision, high-strength analog pressure gauge for hydraulic and industrial applications

GESTIRIEGO

GLYCERINE-FILLE PRESSURE GAUGE

The Bourdon tube pressure gauge is designed for applications with dynamic pressure loads and vibrations. Constructed with a stainless steel housing and copper alloy internal components, it is available in bottom- or back-mounted versions. It complies with EN 837-1 and offers measuring ranges from vacuum to 1000 bar, making it ideal for hydraulic systems, compressors, and harsh industrial environments. **Available types: back port or center thread.**

ADVANTAGES AND BENEFITS

✓HIGH RESISTANCE TO IMPACTS AND VIBRATIONS

Robust design in accordance with EN 837-1, ideal for demanding environments.

✓WIDE RANGE OF SIZES AND SCALE RANGES

From 40 to 100 mm in diameter, and ranges up to 0–1000 bar.

✓DURABILITY AND STABILITY IN EXTREME CONDITIONS

Copper alloy components and stainless steel housing with hermetic sealing.

✓VERSATILITY OF MOUNTING AND CONNECTION

Available in bottom or rear mount versions, and multiple thread types.

✓OPTION WITH ANTI-VIBRATION LIQUID

Fillable shell with glycerin or silicone for maximum cushioning.

PARTS OF THE PRESSURE

- **BOURDON TUBE**
  Copper pressure sensor in helical or C-type shape.
- **DIAL AND NEEDLE**
  Aluminum with custom scale, white or black colors.
- **SEAL O-RING**
  Between connection and housing, ensures tightness.
- **CLAMPING RING**
  Crimp type or bayonet type.
- **DISPLAY WINDOW**
  Impact and UV resistant.

MOUNTING AND CONNECTION

MOUNTING	CODE
Lower	LM
Rear	BM

GLYCERINE-FILLE PRESSURE GAUGE

TYPES OF MOUNTING AND CONNECTION

Rear with front flange	BF
Bottom with rear flange	LF
Rear with U-type clamp	BU

AVAILABLE CONNECTIONS	**CODE**
Lower	LM
Rear	BM
Rear with front flange	BF
Bottom with rear flange	LF
Rear with U-type clamp	BU

TECHNICAL CHARACTERISTICS

PARAMETER	**DETAIL**
Model	115A
Available sizes (mm)	40, 50, 63, 80, 100
Types of precision	NS 40: 2.5 / NS 50-80: 1.6 / NS 100: 1.0
Scale range	From 0...0.6 up to 0...1000 ba
Maximum pressure	Up to 1.3 full scale value (depending on model)
Operating temperature	Ambient: -20 to +60 °C / Medium: max. +60 °C
Housing material	Stainless steel (matte or polished)
Sensor element	Bourdon tube made of copper alloy (C or helical type)
Viewfinder	Polycarbonate
Mounting	Lower (LM) / Rear (BM) / Others on request
Fill	Glycerin (GF) or Silicone (SF)
Temperature effect	30.4 % for every 10 K deviation (based on +20 °C)

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CONEXIONES AL PROCESO

DESCRIPTION	CODE
Thread 1/8" BSP	1B
Thread 1/8" NPT	1N
Thread 1/8" BSPT	1T
Thread 1/4" BSP	2B
Thread 1/4" NPT	2N
Thread 1/4" BSPT	2T
Thread 3/8" BSP	3B
Thread 3/8" NPT	3N
Thread 3/8" BSPT	3T
Thread 1/2" BSP	4B
Thread 1/2" NPT	4N
Thread 1/2" BSPT	4T
Thread 7/16-20 UNF	5U
Metric thread M12 x 1,5	6M
Metric threada M20 x 1,5	7M

APPLICATIONS

Ideal for:

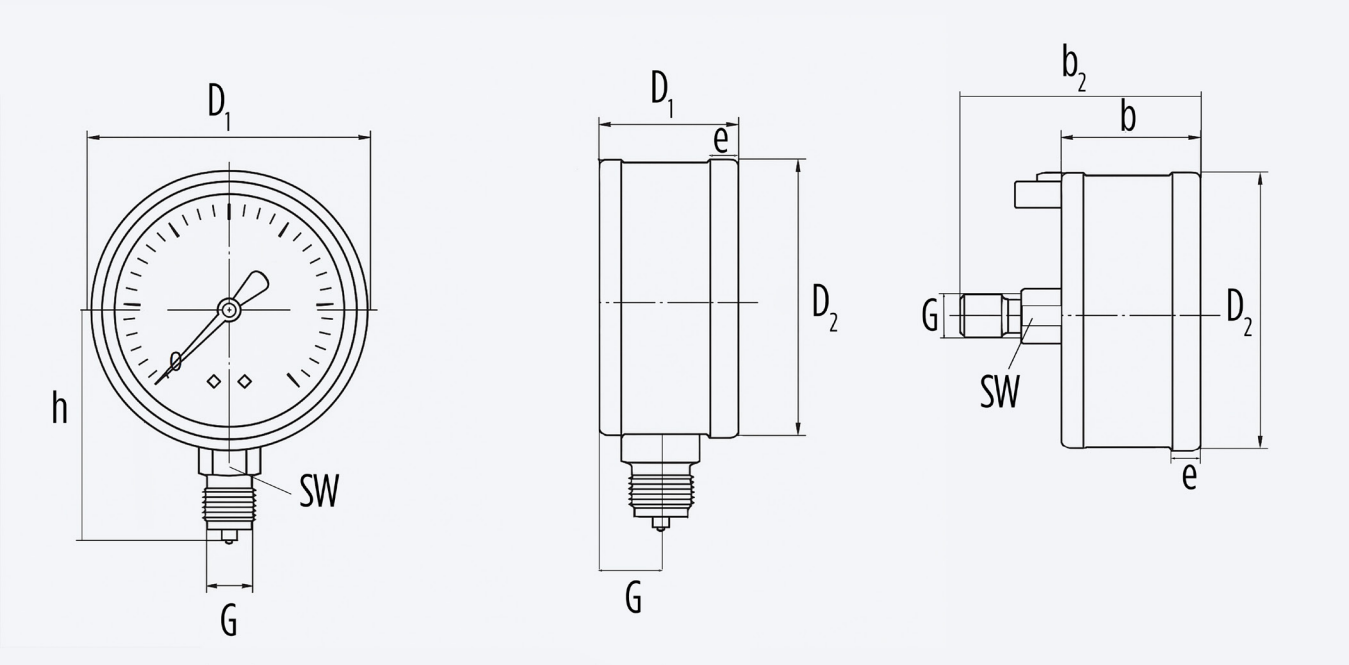
- Hydraulic systems and compressors.
- Marine applications.
- Measurement in gases and liquids (non-crystallizing and highly viscous).
- Conditions with dynamic pressure and vibrations.

IMPORTANT INFORMATION

- **Effect of temperature on accuracy.**
  When the temperature of the measuring system differs from the reference temperature (+20 °C): max. 30.4 % / 10 K of range.
- **Specific additional options**
  Bayonet bezel (code B).
  Description of the sealing system (O-ring).

GLYCERINE-FILLE PRESSURE

DIMENSIONS AND WEIGHT OF THE PRESSURE GAUGE



NS	a (mm)	b ±0.5 (mm)	b2 ±0.5 (mm)	D1 (mm)	D2 (mm)	e (mm)	f (mm)	Connection (G)	h ±1 (mm)	SW (mm)	Peso (kg)
40	11	28	49	43	40	5	–	G 1/8 B	41	11	0.11
50	12	30	55	55	50	5.5	–	G 1/4 B	48	14	0.15
63	13	32	56	68	62	6.5	–	G 1/4 B	54	14	0.21
100	14.5	39	59	110	100	7	–	G 1/2 B	77	22	0.41

PRESENTATIONS AND PACKAGING

MODEL	TYPE	PCS/ BOX	WEIGHT/ PCS (KG)	WEIGHT/ BOX (KG)	BOX DIMENSION(CM)	VOLUME (m^3)
BOURDON TUBE PRESSURE GAUGE 63 mm	1/4" G / BM	50	0,21	10,5	38 20 20	0,0152

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