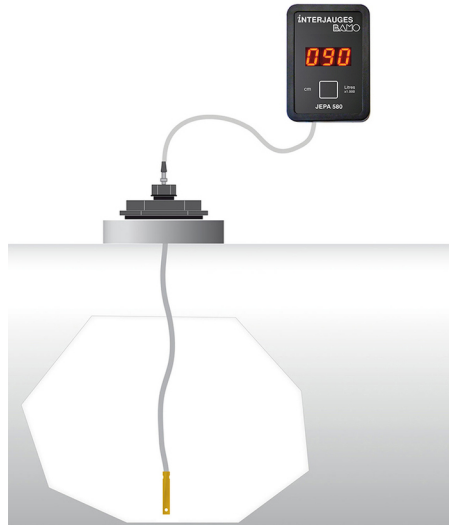


Level gauge, electro-pneumatic, autonomous JEPA 580



1. PRECAUTIONS

Do not make any changes to the instrument or to the tank. During installation, check that you comply with the recommendations of the tank manufacturer. Always use the recommended accessories, manufacturer origin.

JEPA 580 is not suitable for operation in a potentially explosive area; The equipment is not approved for hazardous area (ATEX, Ex).

JEPA 580 is not suitable for invoicing/ transactions.

2. DESCRIPTION

- JEPA 580 is a level gauge.
- Standard version displays the level of liquid in centimetres.
- Optionally, the device is available with a scale in Liter.

The equipment is convenient for mostly any shape of storage containers, tanks and drums.

The liquid S.G. determines the gauge model.

- Model JEPA 580-0.85 is designed for Diesel (density 0.85 kg/l)
- Model JEPA 580-1 is designed for water (S.G. = 1).

For level measurement on a liquid other than diesel, the gauge must be calibrated and set to another density.
(Refer to the relevant paragraph)

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Level gauge, electro-pneumatic,
autonomous
JEPA 580

24-05-2019

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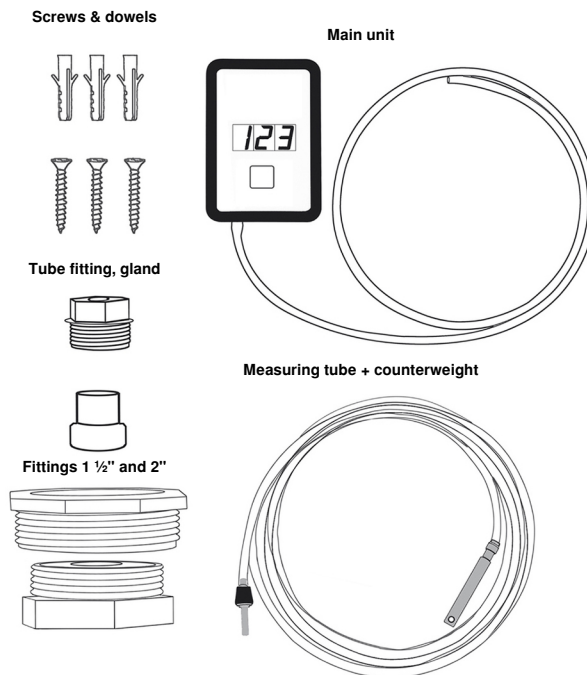
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3. CODE NUMBERS AND REFERENCES

Code	Reference	Description
580 252	JEPA 580-Set 2/0.85	Complete set JEPA for diesel (S.G.= 0.85)
580 253	JEPA 580-Set 1/1	Complete set JEPA for water (S.G.= 1)

Complete set JEPA 580 includes:

- The main unit with electronic monitor and:
 - Flexible hose (outlet to tank), 1 m long
 - 1 Alkaline battery, 9 V
 - Brackets (adhesive)
- Screws and dowels for wall mounting
- Measuring tubing (3 m long) with ballast, both compatible with diesel
- One fitting and adaptor for tank connection



Parts and options:

Code	Reference	Description
580 250	JEPA 580-0,85	Main unit (S.G. 0.85) with connector 6/4 mm
580 251	JEPA 580-1	Main unit (S.G. 1) with connector 6/4 mm
580 260	JEPA 580 TRP	Measuring tube (PUR) 3 m + ballast + fittings on tank
580 262	JEPA 580 TP	Measuring tube (PUR) 3m + ballast
580 264	JEPA 580 R	Fittings 1 1/2" and 2"
580 268	JEPA 580 TP/10	Extension: Silicone tubing 3x5 mm; 10 m long (for air) + connector 4/4 mm
580 269	JEPA 580 TP/5	Extension: Silicone tubing 3x5 mm; 5 m long (for air)

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4. TECHNICAL FEATURES

Measuring height	0 to 300 cm of diesel (250 cm of water) (In volume from 500 to 100 000 litre)
Power	1 Alkaline battery, 9 V (supplied); Disposal acc. Directive 2006/66/CE
Display	3 digits
Case dimensions	68 x 97 x 22 mm
Protection	IP 20
Mounting	3 Brackets (adhesive) and 3 dowels, 3 screws (4 x 20 mm)
Flexible hose (outlet to tank)	Silicone 1 m long
Ambient temperature	0... +35 °C
Accuracy	± 1 cm
Fittings for tank top: 1 ½" and 2"	Plastic, black, with gland for PUR tubing
Measuring tube	PUR, 4x6 mm; 3 m long (convenient for Diesel)
Ballast	Nickel-plated brass
Extension silicone tubing	Silicone, flexible, 3x5 mm (5 or 10 m long)

EC Conformity: EN 61 000-6-1 and EN 61 000-6 3

5. COMMISSIONING

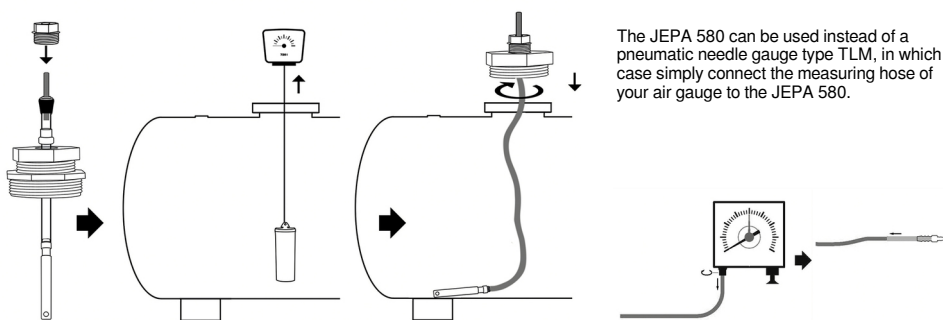
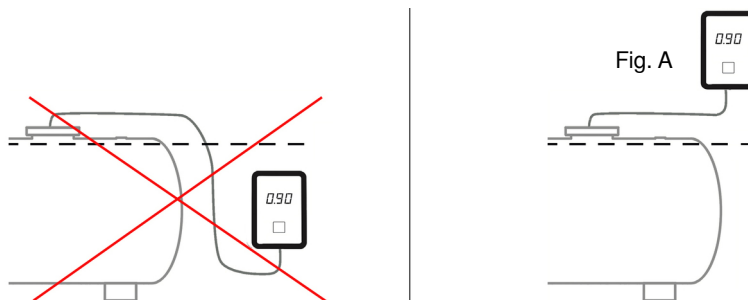
- 1) Insert the measuring pipe into the tank.
- 2) Fix the main unit above the level max. (Fig. A)

Option 1: Fastening with the adhesive brackets

Option 2: fitting with dowels and screws

- Provide a drill for Ø4 mm.
- Remove the back plate of JEP A 580.
- Position the plate where you want to fix the main unit and mark the 3 holes.
- Carry out the drilling to insert the dowels.
- Fix the plate and re-assemble the JEP A 580

CAUTION: Always install the JEP A box above the highest level of liquid (Fig.A).



Possible assembly to replace a mechanical or pneumatic gauge.

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6. START UP

6.1 DISPLAY IN CENTIMETRES

By default, the display is delivered in [cm]

Take a measurement by briefly pressing the square button above the name of JEPA.
The pump starts, stops and the level is displayed in cm.

If display in volume is not requested, there is no programming to perform.

6.2 DISPLAY IN LITRES

Information:

- In programming mode the unit automatically returns to measurement mode, when no action is done during 5 seconds.
- The volume will only be displayed when complete tank information is set.
- When the display is in volume, by pressing the square button again, displays is back in cm.
- The measurements in litres must not be used for a transaction/ invoicing.

6.2.1 Choice of tank shape

- Press the central button until a vibration is perceived.
A single-digit display appears or 0, 1, 2 or 3
- Selection is carried out by pressing the button (4 modes are available).

0 = Display of height of liquid in cm
1 = Cubic tank (alone or in battery)
2 = Cylindrical & horizontal tank
3 = Spherical tank

6.2.2 Choice of the height by steps of 10 cm

- Press continuously the central button to save the choice of tank, until a vibration is perceived.
Now the display has three digits that will be rolled out by pushing the button.
Example 230 = 2.30 m

6.2.3 Choice of volume

For tanks in battery, consider the overall capacity.

- Press the central button until a vibration is perceived.
The display has three digits and is rolled out by pushing the button.
Select the volume that best suits your tank from the 41 pre-entered values below.
Example 1.25 = 1.250 litres

0.50	0.87	1.25	2.00	3.00	4.50	7.00	10.0	13.7	20.0	27.5	40.0	60.0	90.0
0.62	1.00	1.50	2.25	3.50	5.00	8.00	11.2	15.0	22.5	30.0	45.0	70.0	100
0.75	1.12	1.75	2.50	4.00	6.00	9.00	12.5	17.5	25.0	30.5	50.0	80.0	

- Press the central button until a vibration is perceived to save the set up, then first measurement will be performed.

"Err" Message:

The error message is displayed when the set up is wrong (example: measured height greater than the set tank height). For correction: Set up again the instrument.

7. MAINTENANCE

Excepted the replacement of battery, the JEPA 580 does not require any particular maintenance.

When the display is flashing, replace the battery.

1. Remove the unit from its backside.
2. Replace the battery with a new one 9 V Alkaline.
3. Re-assemble the JEPA 580

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