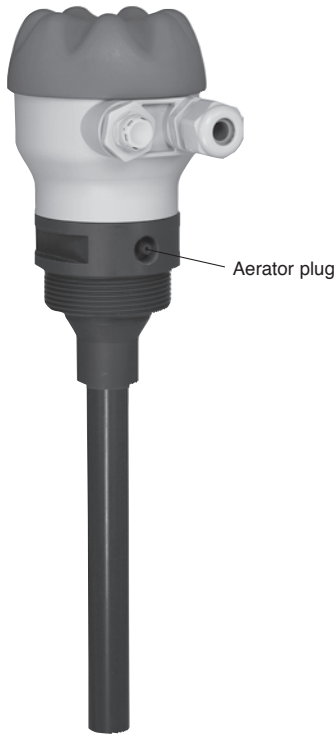


Hydrostatic level transmitter MEMPRO



- Ceramic pressure sensor
- No moving parts
- For aggressive and/or highly viscous fluids
- For contaminated and crystallizing liquids
- Accurate and reliable measurement
- Output signal 4-20 mA, 2 wires
- Wetted parts: PVC, PP or Stainless steel
- Free from fluid viscosity or conductivity
- Scales: Up to 10 m WC

PRINCIPLE

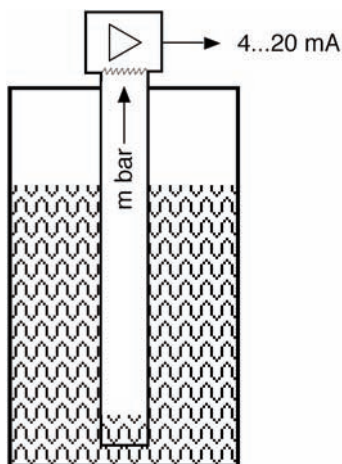
MEMPRO level transmitters are designed for level in tank with atmospheric pressure, unclosed tank or basin. When the level increases, the fluid rises inside the tube. The pressure of air trapped inside increases as well. This pressure corresponds to the height of the water column outside (from the bottom tube end). The ceramic pressure sensor delivers a signal 4-20 mA equivalent to the level of fluid.

This type of level transmitter is not affected with contaminated liquids or crystallizing fluids, as long as the stem is not tapped. Venting connection integrated in the top: as an option, a venting module is connected for out-gassing and encrusting liquids refreshing; it resets the air column when media temperature changes during the process.

MEMPRO transmitters are suitable for aggressive liquids since the wetted parts are of PVC, PP or stainless steel for the stem and ceramic for the sensor. Different scales are available, with various ranges (set up with dipperswitches).

TECHNICAL FEATURES

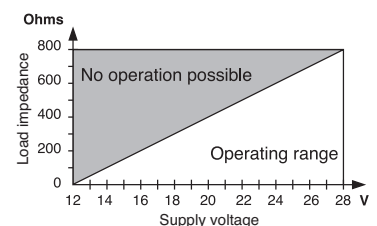
Power supply:	12...28 V DC
Measuring cell:	Ceramic, capacitive, temperature compensated
Sealing:	EPDM
Measuring scales:	Selectable ranges from 20 to 100%, (see next page)
Resolution:	< 2 mm
Accuracy/Linearity:	< +/- 0.5% full scale
Temperature limits:	PP and stainless 0...60°C; PVC 0...40°C
Materials:	Stem and process connection in PVC, PP or S.S. 316 Pressure sensor in ceramic Housing in PBT, fibre glass reinforced, IP65, according to EN 60 529



INDICATORS AND CONTROLLERS

• All indicators or controllers with power supply to the sensor 12...28 V DC, 2 wires 4-20 mA, are useful for the MEMPRO level transmitters.

Caution: The maximal resistive load circuit should be respected:



BAMO MESURES

22, Rue de la Voie des Bans - Z.I. de la Gare - 95100 ARGENTEUIL
Tél : (+33) 01 30 25 83 20 - Web : www.bamo.fr
Fax : (+33) 01 34 10 16 05 - E-mail : info@bamo.fr

Hydrostatic level transmitter MEMPRO

08-01-2015

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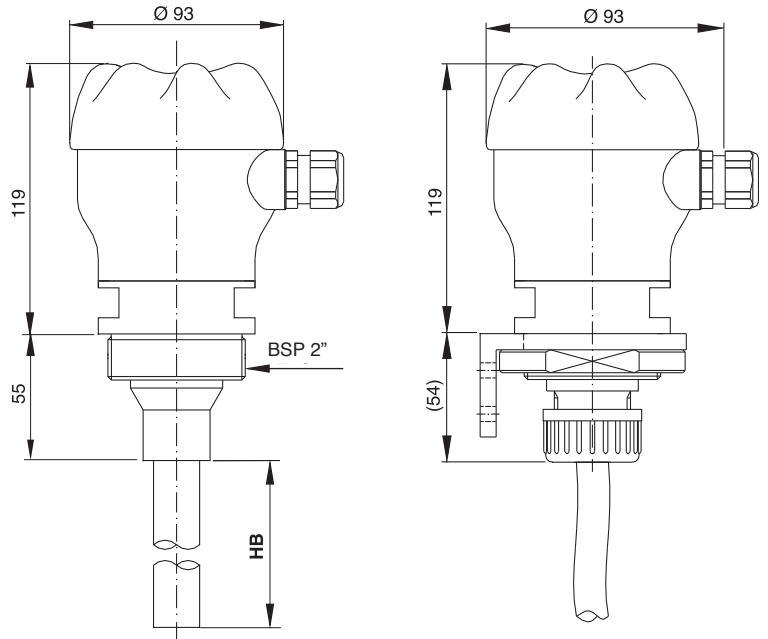
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CODES NUMBER

Material	PVC	PPH	S. Steel
Connection	BSP 2"	BSP 2"	BSP 1"
Stem Ø [mm]	Ø 20	Ø 20	Ø 15
MEASURING RANGE			
0/1000 mm	592 110	592 210	592 510
0/2500 mm	592 130	592 230	592 520
0/4000 mm	592 140	592 240	592 540
0/10000 mm	-	-	-

DIMENSIONS

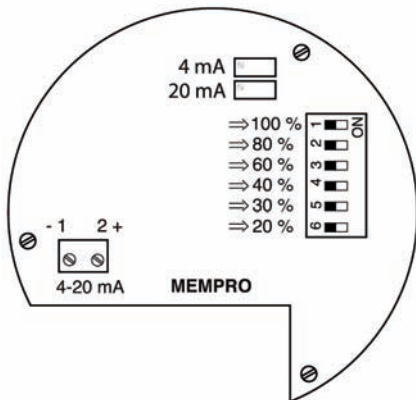


MEMPRO
with PVC or PPH stem

MEMPRO
with EPDM flexible hose

Before manufacturing, we need the HB length specified on the order.

WIRING



OPTION



MEMPRO BLG

Venting connection integrated: As an option, a venting module is connected for out-gassing and encrusting liquids refreshing; it also resets the air column when media temperature changes during the process.

Code	Reference	Designation
592 790	BLG	Automatic venting modules for MEMPRO 230 V AC, with 5 m long PVC tubing included
592 791	BLG	Automatic Venting Modules for MEMPRO 24 V DC, with 5 m long PVC tubing included

SCALE

The DIP switches allow choosing on site a range between 20 and 100% of the full scale.

Measuring cell Sensor type 1 (1000 mm CE)	Measuring cell Sensor type 2 (2500 mm CE)	Measuring cell Sensor type 4 (4000 mm CE)	Measuring cell Sensor type (10000 mm CE)	Setting
200 300 mm	400 700 mm	700 1200 mm	2000 3000 mm	DIP 6 = ON
200 450 mm	500 1100 mm	800 1800 mm	2000 4500 mm	DIP 5 = ON
250 550 mm	700 1400 mm	1200 2200 mm	2500 5500 mm	DIP 4 = ON
350 800 mm	800 2000 mm	1500 3200 mm	3500 8000 mm	DIP 3 = ON
550 1000 mm	1400 2500 mm	2000 4000 mm	5500 10000 mm	DIP 2 = ON
650 1000 mm	1600 2500 mm	2400 4000 mm	6500 10000 mm	DIP 1 = ON

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Hydrostatic level transmitter
MEMPRO

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