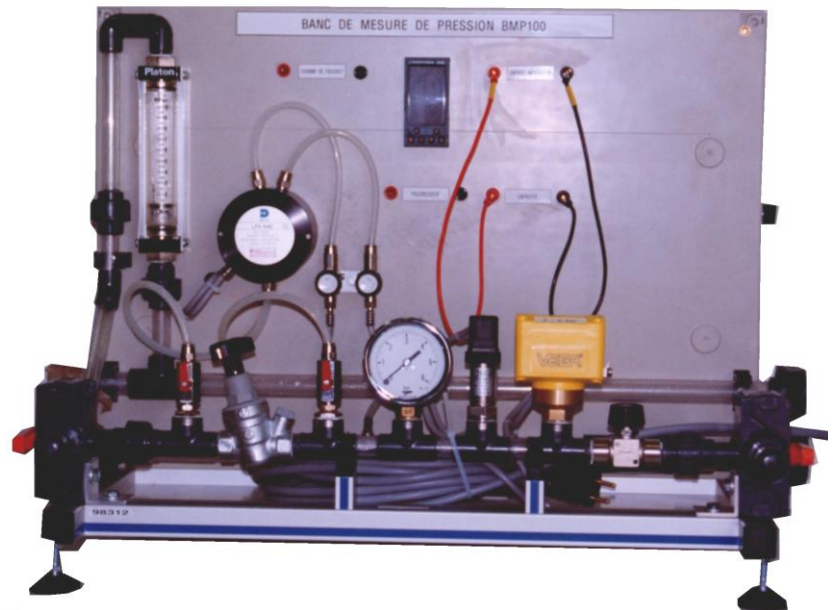


Pressure measurement unit

DESCRIPTION

- The pressure measurement unit comes complete with instrumentation and includes a technical and instructions manual.
 - Designed and manufactured to industrial standards.
 - This unit is designed for different levels and fields of study.
 - Inputs and outputs can be connected with female connectors of 4 mm diameter.
 - Options :
 - Interface and software for P.C
 - Utility module
- The control and regulating modules can be connected in series or parallel.



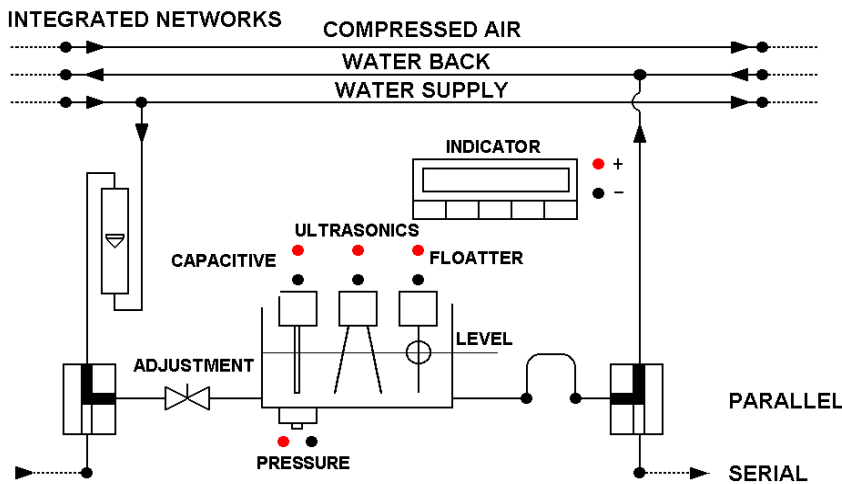
SUGGESTED APPLICATIONS

Illustrating different theoretical principles of pressure measurement.

Manipulation methods

- Characteristic curves
- Comparison of sensors
- Adjusting the indicator
- Calibration of sensors against a reference.

BMP 100



Absolute pressure sensor

Ceramic membrane
Dried capacitive measuring cell
Current loop outlet : 4-20 mA
Accuracy : $\pm 0.5\%$ of full scale

Relative pressure sensor

Silicium membrane
Piezoresistive resistance using
wheatstone bridge
Current loop outlet : 4-20 mA
Accuracy : $\pm 0.15\%$ of the measuring value

Differential pressure sensor

Ceramic membrane
Current loop outlet : 4-20 mA
Accuracy : $\pm 0.5\%$ of full scale

UTILITIES

Electricity : 230 V single phase - 50/60 Hz
Water : 10 L/min. - 3 bars (44 psi)

DIMENSIONS

Length : 780 mm - Width : 570 mm - Height : 590 mm
Weight : 40 kg

BOURDON type manometer

Stainless steel DN80
Degree of accuracy : 1.6
No analog outlet

Numeric indicator

Programmable with microprocessor
Degree of accuracy : 0.2
4 digit display

Multirevolution regulation valve

Silicium monocrystal cell
(digital resonator)