

Temperature measurement unit

DESCRIPTION

- The temperature measurement unit comes complete with instrumentation and includes a technical and instructions manual.
- Designed and manufactured to industrial standards.
- This unit has been 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 moduleThe control and regulating modules can be connected in series or parallel.



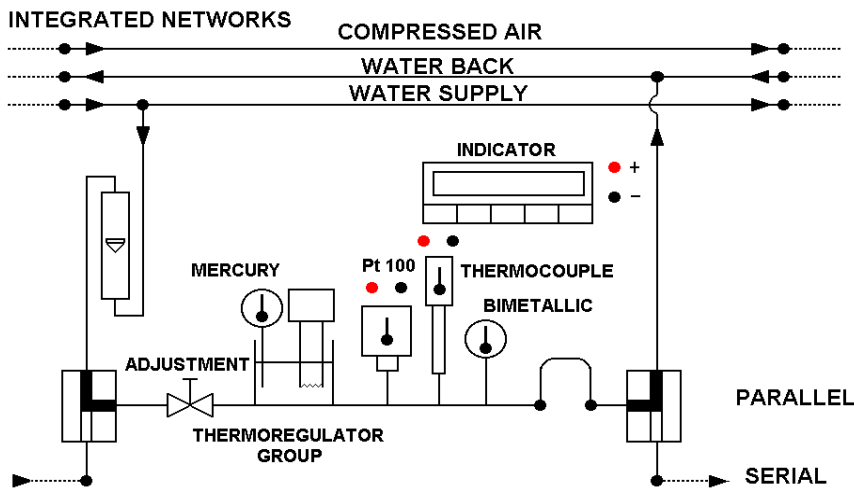
SUGGESTED APPLICATIONS

Illustration of different theoretical principles related to temperature measurement.

Manipulation methods

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

BMT 100



Probe Pt 100 Ω

3 wires 0.22 mm²
Ø probe : 3.2 mm
Stainless steel 304 L
Class A
Signal converter - output 4-20 mA

Thermocouple

Fe/CuNi (J) type
2 wires 0.22 mm²
Ø probe : 3 mm
Stainless steel 304 L
Signal converter - output 4-20 mA

Mercury thermometer

On glass rod Ø 6 mm
Division and tolerance 1°C
Length : 250 mm
Distance between two divisions : 1.15 mm
No analog outlet

Bimetallic thermometer

Stainless steel rod Ø 10 mm
Length : 150 mm
Stainless steel 304 Ø 80 mm
Accuracy : $\pm 1\%$ of the reading

Numeric indicator

Programmable with microprocessor
Degree of accuracy : 0.2
4 digit display

Multirevolution regulation valve

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