

Intelligent PM4 Monitors Model PM4-CO

Conductivity/Resistivity/ppm Monitor/Controller



12.7mm 4digit LCD



14.2mm 5 digit LED
with keypad and alarm LED's
(14.2mm 6 digit also available)



20mm 4 digit LED

7.6 mm 5 digit LED
with bargraph
and keypad



Description

The microprocessor based PM4 Conductivity/Resistivity/ppm instrument which can function as an accurate monitor/controller/transmitter/computer interface.

Flexible calibration and programming functions allow easy setup and calibration. Calibration, setpoint and other programmable functions are accessible through the instruments keypads/pushbuttons. Cell constants are programmable, allowing the instrument to be used with a wide range of cells.

The display may be programmed to indicate conductivity in mS/cm, uS/m, mS/m or uS/cm, resistivity in MΩ or ppm. For ppm measurement a know conductivity to ppm conversion factor for the solution must be entered. A temperature sensor input is provided for automatic temperature compensation. The temperature may also be viewed on the display via front panel ▲ or ▼ push button operation.

The programmable digital filter improves stability by smoothing out short term electrical interference. Each instrument is supplied with a single control/alarm output relay as standard.

The PM4 series instruments are suitable for a variety of applications including waste and water treatment, chemical processing, electronics, manufacturing, pulp and paper, pharmaceutical and food processing. The instruments are ideally suited for use with reverse osmosis and ion exchange demineralisers, cooling towers and boiler analyzers. Electrical isolation in the instrument eliminates grounding and common mode voltage problems, making the PM4 ideal for interfacing to PLCs, computers and other digital equipment.

Features

- Displays in mS/cm, mS/m, uS/cm, uS/m, MΩ or ppm or display can be toggled to temperature
- Programmable digital filter
- Versatile alarm/control relay is programmable to operate from conductivity/resistivity/ppm or temperature
- Pushbutton calibration and programming
- Programmable cell constants
- 2 year guarantee

Options

- Additional relay outputs (5A at 240VAC)
- Isolated output to transmitters etc.
- Retransmission: RS232/RS485 (with choice of ASCII or Modbus RTU protocols), Binary, BCD or Analog (single or dual output analog versions selectable as logarithmic or linear)

Probes Available

TBTH: continuous measurements of conductivity or resistivity in water up to 80°C

TBPS: medium to high purity water applications



K=1



K=0.1



K=1,
K=0.1
or
K=0.01

PM4CO-3.2-0

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