

Dual Input Conductivity Meter Model PM4-2CO

Conductivity Monitor/Controller



7.6 mm 4 digit LED with bargraph and keypad



14.2mm 4 digit LCD



14.2mm 5 digit LED with keypad and alarm LEDs



Two inputs for independent or % rejection display

Description

The microprocessor based PM4-2CO dual input Conductivity/Resistivity instrument features the latest design and microprocessor technology. The instrument 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, mS/m, uS/cm or uS/m or resistivity in MΩ % rejection, channel two conductivity or temperature may also be viewed by pressing a front panel pushbutton.

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

- Two conductivity/resistivity channels.
- Displays in mS/cm, mS/m, uS/cm, uS/m or MΩ, can also display % rejection and temperature.
- Programmable digital filter.
- Versatile alarm/control relay can operate from either conductivity/resistivity/% rejection or temperature.
- Pushbutton calibration and programming.
- Programmable cell constants.
- 2 year guarantee.
- Typical application - displays permeate feed, % rejection & temperature. Display is alternated between these via the front panel pushbuttons.

Options

- Additional relay outputs (5A at 240VAC).
- Isolated DC supply output to transmitters etc.
- Retransmission - RS232/485 (choice of ASCII or Modbus RTU protocols), Binary, BCD or Analog

Probes Available

- **TBTH**: continuous measurements of conductivity or resistivity in water up to 80° C
- **TBPS**: medium to high purity water applications



