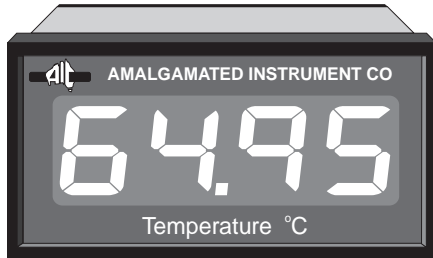


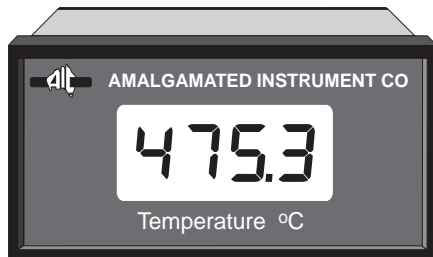
Intelligent PM4 Monitors

Models PM4-RT3 and PM4-RX3

Measures temperature from 100 RTD (Pt100), 1000 RTD (Pt1000) or LM335 & AD590 solid state sensors

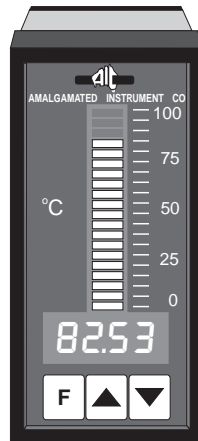


20mm LED 4 digit

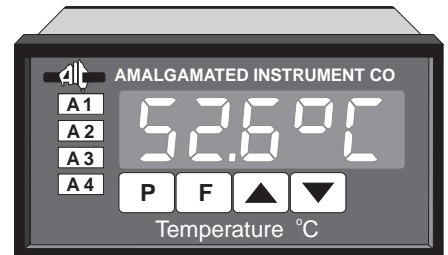


12.7mm LCD 4 digit

Wide choice of displays available



20 segment LED bar graph plus 7.6mm LED 4 digit display with keypad



14.2mm LED 5 digit plus keypad and alarm LEDs



Description

The PM4 range of microprocessor based industrial monitors utilises the latest design in computer technology. The instruments can function as an accurate monitor, alarm, controller, signal conditioner or transmitter and are designed to meet a wide variation in user requirements. The PM4-RT accepts its input from 100Ω RTDs (Pt100), 1000Ω RTDs (Pt1000), LM335 or AD590 temperature transducers. The instruments feature flexible pushbutton calibration and programming and may be scaled to read the temperature in °C or °F with a resolution of 0.01°0.1° or 1°. The display may be programmed to show units °C or °F e.g. 52.2°C.

The programmable digital filter improves stability by smoothing out short term interference. Each instrument is supplied with a single relay output as standard, relays are configurable as alarm or PI control (time division or frequency). Optional outputs include additional relays, isolated outputs, analog (4-20mA, 0-1V, 0-10V configurable as retransmission or PI control), serial (RS232 or RS485 - choice of ASCII or Modbus RTU protocols) or digital (BCD or binary).

An external input is configurable to perform one of various functions e.g. peak hold, peak and valley memory, two level brightness switching, scale switching, setpoint only access or security lock out. Electrical isolation between power supply, input signal and retransmission eliminates grounding and common mode voltage problems. This isolation feature makes the PM4 ideal for interfacing to PLCs, computers and other data acquisition equipment.

Features

- Pushbutton calibration and setup
- Displays temperature in °C or °F
- Isolation between input signal/output/power supply
- 240V, 110V, 24V AC or wide range 9 to 55V DC operation (factory configured)
- Programmable digital filter
- 2 year guarantee
- Relay output (5A at 240VAC) configurable as alarm or PI control (time or frequency)
- Rugged construction
- Remote input to perform special functions e.g. max/min, peak/display hold, two level brightness switching, scale switching, setpoint only access or security lockout

Options

- Up to six additional relay outputs (5A), alarm or PI control operation
- Optically isolated Analog output 4-20mA, 0-1V and 0-10V (retransmission or PI control)
- RS232/RS485 serial output (choice of ASCII or Modbus RTU protocols)
- Binary or BCD retransmission
- Other models available to measure: temperature (thermocouples), weight, frequency (rate), 4-20mA/DCvolts, ACVolts/amps, pulse totaliser, conductivity, pH, BCD, RS232, RS485 etc.

PM4RTFR-1.0-1

AMALGAMATED INSTRUMENT CO PTY LTD ACN 001 589 439

Unit 5/28 Leighton Place Telephone: (02) 9476 2244 www.aicpl.com.au
Hornsby NSW 2077 Australia Facsimile: (02) 9476 2902 E-mail: sales@aicpl.com.au

Quality
Endorsed
Company



AS/NZS
ISO 9001
Lic. No.
QEC 6187
Standards
Australia

