

APM489-4 Process Panel meter

DESCRIPTION

- 4 Digit Red LED high-brightness Display.
- Most process inputs available.
- Two wire 24Vdc excitation available as standard.
- Available for next day delivery.
- Two years warranty



TECHNICAL SPECIFICATION

Input Range

Measuring Range DC		Input Impedance	Measuring Range DC		Input Impedance
Voltage	0~10 V	≥1M ohm	mA	(0) 4~20 mA	250 ohm
Voltage	0(1)~5 V	≥1M ohm	mA	0~1 mA	250 ohm

Other Input types / ranges available on request.

Calibration: Display calibration by front key

A/D converter: 12 bits resolution

Accuracy: DC: $\leq \pm 0.1\%$ of FS $\pm 1C$

Sampling rate: 15 cycles/sec

Response time: ≤ 100 msec

Display & Functions

LED: Numeric: 4 digits, 0.8"(20.0mm) red high-brightness LED

Display range: -1999~+9999

Scaling function: **IOsc:** Low Scale; Settable range: -1999~+9999

hisc: High Scale; Settable range: -1999~+9999

Decimal point: Programmable from 0 .000/ 00.00 / 000.0 / 0000

Over range Indication: **ovfl**, when input is over 110% of input range Hi

Under range indication: **-ovfl**, when input is under -0% of input range Lo

Reading Stable Function

Average: **avg** Settable range: 1~99 times

Moving average: **Mavg** Settable range: 1(None)~99 times

Digital filter: **Dfilt** Settable range: 0(None)/1~99 times

Power

Power supply: AC115/230V,50/60Hz; (24Vdc Supply option available)

Excitation Supply: DC 24V $\pm 10\%$, 30mA

Power consumption: 2.5VA maximum

Back up memory: By EEPROM

Electrical Safety

Dielectric strength: AC 2.0 KV for 1 min, Between Power / Input / Output / Case

Insulation resistance: $\geq 100M$ ohm at 500Vdc, Between Power / Input

Environmental

Operating temp.: 0~60 °C

Operating humidity: 20~95 %RH, Non-condensing

Temp. coefficient: ≤ 100 PPM/°C

Storage temp.: -10~70 °C

Enclosure: Front panel: IEC 549 (IP54); Housing: IP20

Storage temp.:

Dimensions: 96mm(W) x 48mm(H) x 72mm(D)

Panel cutout: 92mm(W) x 44mm(H)

Case materiel: ABS fire-resistance (UL 94V-0)

Mounting: Panel flush mounting

Terminal block: Plastic NYLON 66 (UL 94V-0);

Mechanical

20A/300Vac, M3.5, 1.3mm²~3.5mm² (22~12AWG)

Weight: 300g