

The measuring range of each meter can be easily adjusted by the addition of internal resistors (not supplied) and link modification. Decimal point selection is provided by a jumper socket. Full details are supplied with each meter.

Standard features include 110/240V ac dual input voltage, automatic zero and polarity indication and true differential or single ended input measurement.

Supplied with mounting hardware.

| Input           | Digits | Voltage Range                  | Current Range                       | Accuracy                    | Mfrs. List No. | Order Code |
|-----------------|--------|--------------------------------|-------------------------------------|-----------------------------|----------------|------------|
| dc volt/ammeter | 3.5    | 200mV                          | 200µA<br>2mA<br>20mA<br>200mA<br>2A | ±0.1% of rdg.<br>±1 digit   | DPM8100        | 108-913    |
|                 | 4.5    |                                |                                     | ±0.01% of rdg.<br>±2 digits | DPM8400        | 530-128    |
| ac volt/ammeter | 3.5    |                                |                                     | ±0.2% of rdg.<br>±1 digit   | DPM8120        | 108-914    |
|                 | 4.5    |                                |                                     | ±0.1% of rdg.<br>±3 digits  | DPM8420        | 530-130    |
| dc voltmeter    | 3.5    | 2V<br>20V<br>200V<br>max. 650V | —                                   | ±0.1% of rdg.<br>±1 digit   | DPM8100A       | 108-915    |
|                 | 4.5    |                                |                                     | ±0.01% of rdg.<br>±2 digits | DPM8400A       | 530-141    |
| ac voltmeter    | 3.5    |                                |                                     | ±0.2% of rdg.<br>±1 digit   | DPM8120A       | 108-916    |
|                 | 4.5    |                                |                                     | ±0.1% of rdg.<br>±3 digits  | DPM8420A       | 530-153    |

Display 3½ or 4½ digit red LED, 14mm character height  
Sample rate 2.5 reading/sec.

Overload protection

|               |                   |
|---------------|-------------------|
| ac/dc current | 2.5A              |
| ac/dc voltage | 100V              |
|               | 2V 300V (100V dc) |
|               | 20V 300V          |
|               | 200V 300V         |
|               | 650V 1100V        |

Decimal point

Temperature stability (ppm/°C) 50

Operating temperature

Supply 110/240V ac ±10%, 50/60Hz

PM42X

|                 | Order Code     | 1+ | 5+ | 10+ | 25+ | 50+ |
|-----------------|----------------|----|----|-----|-----|-----|
| <b>3½ digit</b> |                |    |    |     |     |     |
| dc volt/ammeter | <b>108-913</b> |    |    |     |     |     |
| ac volt/ammeter | <b>108-914</b> |    |    |     |     |     |
| dc voltmeter    | <b>108-915</b> |    |    |     |     |     |
| ac voltmeter    | <b>108-916</b> |    |    |     |     |     |
| <b>4½ digit</b> |                |    |    |     |     |     |
| dc volt/ammeter | <b>530-128</b> |    |    |     |     |     |
| ac volt/ammeter | <b>530-130</b> |    |    |     |     |     |
| dc voltmeter    | <b>530-141</b> |    |    |     |     |     |
| ac voltmeter    | <b>530-153</b> |    |    |     |     |     |

### 3½ Digit, Voltage and Current Indicators 'S Range'



- Can be configured by rear pluggable links and presets
- Adjustable zero offset (eg 4-20mA = 0-1500 display)
- IP65 sealed front facia
- 13 or 20mm character sizes
- Versions available for a wide range of supply voltages
- 2000 count display range
- 10 volt ranges and 8 current ranges (dc)

| Dimensions              | Panel Cut-Out | Supply Voltage     | Digit Height | Order Code |
|-------------------------|---------------|--------------------|--------------|------------|
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 230V ac            | 13           | 766-781    |
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 115V ac            | 13           | 766-793    |
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 230V ac            | 20           | 766-800    |
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 115V ac            | 20           | 766-811    |
| H = 24, W = 96, D = 151 | 92.8 x 22.5   | 24 to 48V dc ±20%  | 13           | 766-823    |
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 24 to 230V ac ±15% | 13           | 766-835    |
| H = 48, W = 96, D = 151 | 92.8 x 46.1   | 24 to 230V ac ±15% | 20           | 766-847    |

|                            |   |
|----------------------------|---|
| Resolution/display         | ±1999 digit/7 segment red LED   |
| Measuring rate/integration | 3 per sec/80ms  |
| Measuring ranges           | 0.2 .... 300Vdc/10 ranges<br>1.0 .... 300mAdc/8 ranges                    |
| Zero correction/offset     | Automatic/up to +25% of range (for 4-20mA, etc.)                          |
| Operating temperature      | 0 to 50°C   |
| Connector types            | Screw terminals (supply - 2 way, input - 4 way)                           |
| Wire size                  | 4mm <sup>2</sup> single core, 2.5mm <sup>2</sup> standard wire            |
| Safety                     | IEC 1010, class 1, over voltage category II 264V<br>Degree of pollution 2 |
| EMC                        | IEC 801, VDE 871, Class B   |

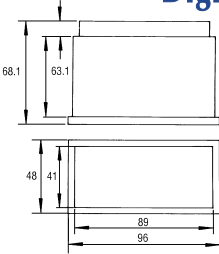
PM73X

| Mfrs. List No.           | Order Code     | Price Each |    |     |     |
|--------------------------|----------------|------------|----|-----|-----|
|                          |                | 1+         | 5+ | 10+ | 25+ |
| DPM48/2000SNT13 (230Vac) | <b>766-781</b> |            |    |     |     |
| DPM48/2000SNT13 (115Vac) | <b>766-793</b> |            |    |     |     |
| DPM48/2000SNT20 (230Vac) | <b>766-800</b> |            |    |     |     |
| DPM48/2000SNT20 (115Vac) | <b>766-811</b> |            |    |     |     |
| DPM24/2000SN             | <b>766-823</b> |            |    |     |     |
| DPM48/2000SN13           | <b>766-835</b> |            |    |     |     |
| DPM48/2000SN20           | <b>766-847</b> |            |    |     |     |

### Temperature Indicators Thermocouple and Platinum Resistance



Overall dims: H = 48, W = 96, D = 68.1  
Panel cut-out = 92.45



- Large 11.2mm 3½ digit LED display
- Standard 96 48mm DIN case
- Slimline design, depth behind panel only 63mm
- Quick-release plug-in rear terminals for supply and sensor
- Thermocouple instruments have automatic cold junction compensation

Measuring range K: -50°C to +700°C (-60°F to 1300°F)  
J: -50°C to +625°C (-60°F to 1160°F)  
T: -50°C to +350°C (-60°F to 660°F)  
PT100: -99.9°C to +199.9°C (-99.9°F to 199.9°F)

Resolution K, J, T: 1°, PT100: 0.1°  
Accuracy K, J, T: ±0.5% of reading ±1 digit  
PT100: ±0.2% of reading ±0.2°C/0.5°F  
Power supply 230/115V ac ±15% 50/60Hz

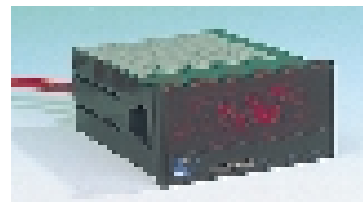
Note: PT00 instrument is suitable for installation with 2 or 4 wire sensor only.

Mfrs. List No. 4501K = 107-437, 4501J = 530-013, 4501T = 530-025, 4504A = 530-037

PM31X

|                           | Order Code     | 1+ | 5+ | 10+ | 25+ | 50+ |
|---------------------------|----------------|----|----|-----|-----|-----|
| Type K thermocouple       | <b>107-437</b> |    |    |     |     |     |
| Type J thermocouple       | <b>530-013</b> |    |    |     |     |     |
| Type T thermocouple       | <b>530-025</b> |    |    |     |     |     |
| PT100 platinum resistance | <b>530-037</b> |    |    |     |     |     |

### Temperature Meter - DPM8901 Thermocouple, Type E, J, K, R, T



H = 43, W = 90,  
D (behind panel inc. terminals) = 118,  
Bezel 96 48, Panel Cut-out = 92.45

- High accuracy 4 digit, microprocessor, based temperature meter
- °C or °F LED display indicator
- E, J, K, R, T type thermocouple input can be set with DIP switches
- Resolution for selected thermocouples can be either 1°C or 0.1°C via DIP switches
- Alarm output LED indicator and manual reset
- On/off control alarm output relay
- 4 digit BCD set upper limit alarm

| Type | Resolution | Range          | Type | Resolution | Range           |
|------|------------|----------------|------|------------|-----------------|
| E    | 1°         | -100 to +700°C | K    | 1°         | -140 to +1300°C |
| E    | 0.1°       | -40 to +400°C  | R    | 1°         | -0 to +1760°C   |
| J    | 1°         | -100 to +750°C | T    | 0.1°       | -50 to +400°C   |
| J    | 0.1°       | -50 to +470°C  |      |            |                 |

Supply voltage 110/220V ac +10% -20%  
Frequency 50/60Hz  
Power 3.5VA  
Hysteresis 2 or 0.2°C  
Humidity below 85%RH  
Relay (resistive load) 2A @ 250V ac  
3A @ 110V ac

PM89

| Mfrs. List No. | Order Code     | 1+ | 5+ | 10+ | 25+ | 50+ |
|----------------|----------------|----|----|-----|-----|-----|
| DPM8901        | <b>930-763</b> |    |    |     |     |     |