



**OMEGA TYPE** Digital Panel Meters are compact versatile panel meters (3½ Digit) for digital display of electrical quantities. They are very useful for laboratories, control panel manufacturers, electricity boards, railways, defence establishments etc. They have high accuracy, high resolution, auto polarity on D.C. display, high input impedance, large easily readable LED display of 12.5 mm digit height.

### SPECIFICATIONS

- 01 INPUT CONFIGURATION : Bipolar.
- 02 FULL SCALE RANGE INPUT : Specified as against each Type No.
- IMPEDANCE ACCURACY
- 03 TEMPERATURE COEFFICIENT : Less than 100 PPM/ °C
- 04 RESOLUTION : 1 in  $\pm 1999$  counts
- 05 SAMPLING RATE (NORMINAL) : 3 samples /second
- 06 N.M.R.R. : 40 dB at 50 Hz
- 07 DISPLAY : 3½ digit 12.5 mm height 7 segment LED type
- 08 POLARITY INDICATION : Automatic.
- 09 OVER-RANGE CONDITION : Available, three least significant digits get blanked in over-range condition.
- 10 OPERATING TEMPERATURE : + 10 °C to + 50 °C.
- 11 POWER REQUIREMENT : 230V  $\pm 10\%$  at 50Hz A.C. Mains.
- 12 Weight : 0.6 Kg. (Approx)
- 13 Strongly supported by detailed Operating Instructions.

| OMEGA TYPE NO.       | FULL SCALE RANGE    | ACCURACY                 | INPUT IMPEDANCE |
|----------------------|---------------------|--------------------------|-----------------|
| <b>DC VOLTMETERS</b> |                     |                          |                 |
| DPM-034              | $\pm 199.9$ mV      | $\pm 0.05\% \pm 1$ digit | 1000 M ohms     |
| DPM-035              | $\pm 1.999$ V       | $\pm 0.05\% \pm 1$ digit | 1000 M ohms     |
| DPM-036              | $\pm 19.99$ V       | $\pm 0.2\% \pm 1$ digit  | 10 M ohms       |
| DPM-037              | $\pm 199.9$ V       | $\pm 0.2\% \pm 1$ digit  | 10 M ohms       |
| DPM-038              | $\pm 1000$ V        | $\pm 0.2\% \pm 2$ digit  | 10 M ohms       |
| <b>DC AMMETERS</b>   |                     |                          |                 |
| DPM-053              | $\pm 19.99$ $\mu$ A | $\pm 0.5\% \pm 2$ digit  | 1 K ohms        |
| DPM-054              | $\pm 199.9$ $\mu$ A | $\pm 0.5\% \pm 2$ digit  | 100 ohms        |
| DPM-055              | $\pm 1.999$ mA      | $\pm 0.2\% \pm 1$ digit  | 10 ohms         |
| DPM-056              | $\pm 19.99$ mA      | $\pm 0.2\% \pm 1$ digit  | 1 ohms          |
| DPM-057              | $\pm 199.9$ mA      | $\pm 0.2\% \pm 1$ digit  | 0.1 ohms        |
| DPM-058              | $\pm 1.999$ Amp.    | $\pm 0.2\% \pm 1$ digit  | 0.1 ohms        |
| DPM-059              | $\pm 19.99$ Amp.    | $\pm 1\% \pm 3$ digit    | 0.01ohms        |

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## OMEGA ELECTRONICS

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| OMEGA TYPE NO.       | FULL SCALE RANGE | ACCURACY         | INPUT IMPEDANCE |
|----------------------|------------------|------------------|-----------------|
| <b>AC VOLTMETERS</b> |                  |                  |                 |
| DPM-044              | 199.9 mV         | ± 0.5% ± 2 digit | 10 M ohms       |
| DPM-045              | 1.999 V          | ± 0.5% ± 2 digit | 10 M ohms       |
| DPM-046              | 19.99 V          | ± 0.5% ± 2 digit | 10 M ohms       |
| DPM-047              | 199.9 V          | ± 0.5% ± 2 digit | 10 M ohms       |
| DPM-048              | 1000 V           | ± 0.5% ± 2 digit | 10 M ohms       |
| <b>AC AMMETERS</b>   |                  |                  |                 |
| DPM-063              | 19.99 µA         | ± 1% ± 3 digit   | 10 Kohms        |
| DPM-064              | 199.9 µA         | ± 0.5% ± 2 digit | 1 Kohms         |
| DPM-065              | 1.999 mA         | ± 0.5% ± 2 digit | 100 Kohms       |
| DPM-066              | 19.99 mA         | ± 0.5% ± 2 digit | 10 Kohms        |
| DPM-067              | 199.9 mA         | ± 0.5% ± 2 digit | 1 Kohms         |
| DPM-068              | 1.999 Amp        | ± 0.5% ± 2 digit | 0.1 ohm         |
| DPM-069              | 19.99 Amp        | ± 1% ± 3 digit   | 0.01ohm         |

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| OMEGA TYPE NO. | FULL SCALE RANGE | ACCURACY                 | TEST CURRENT DC |
|----------------|------------------|--------------------------|-----------------|
| DPM-073        | 19.99 ohms       | $\pm$ 0.2% $\pm$ 1 digit | 10 mA           |
| DPM-074        | 199.9 ohms       | $\pm$ 0.2% $\pm$ 1 digit | 1 mA            |
| DPM-075        | 1.999 K ohms     | $\pm$ 0.2% $\pm$ 1 digit | 1 mA            |
| DPM-076        | 19.99 K ohms     | $\pm$ 0.2% $\pm$ 1 digit | 100 $\mu$ A     |
| DPM-077        | 199.9 K ohms     | $\pm$ 0.2% $\pm$ 1 digit | 10 $\mu$ A      |
| DPM-078        | 1.999 M ohms     | $\pm$ 0.5% $\pm$ 2 digit | 1 $\mu$ A       |
| DPM-079        | 19.99 M ohms     | $\pm$ 0.5% $\pm$ 2 digit | 1 $\mu$ A       |

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