



| Specifications                  | ME135   | ME035  | ME145  | ME045  |
|---------------------------------|---|--|--|--|
| <b>Measuring Method</b>         | 3 1/2 Digit-Dual Slope A/D Conversion   | 3 1/2 Digit-Dual Slope A/D Conversion                                      | 4 1/2 Digit-Successive Integration A/D Conversion                        | 4 1/2 Digit-Successive Integration A/D Conversion                          |
| <b>Sampling Rate</b>            | 2.5 Samples per second  |  |  |  |
| <b>Display Type</b>             | 0.56" Digit Height Red LED.   | 12.4mm/0.48" Digit Height LCD  | 0.36" Digit Height Red LED.  | 11.2mm/0.43" Digit Height LCD  |
| <b>Maximum display</b>          | 1999 counts .   | 1999 counts .  | 19999 counts .   | 19999 counts .   |
| <b>Resolution</b>               | 0.001 to 1 counts for 3 1/2 depending on the range.                           | 0.001 to 1 counts for 3 1/2 depending on the range.                        | 0.0001 to 1 counts for 4 1/2 depending on the range.                     | 0.0001 to 1 counts for 4 1/2 depending on the range.                       |
| <b>Polarity Indication</b>      | " - " is indicated for negative input   |  |  |  |
| <b>Decimal Selection</b>        | Field Selectable.   |  |  |  |
| <b>Over Range Indication</b>    | " 1 " or "-1"   |  |  |  |
| <b>Maximum overload</b>         | Voltage : 1.2 times continuous.<br>Current: 2 times continuous.               |  |  |  |
| <b>VA Burden (Typical)</b>      | Auxiliary : <1VA (LED)<br>Voltage I/p : <0.1VA<br>Current I/p : < 0.25VA      | Auxiliary : <20mVA (LCD)<br>Voltage I/p : <0.1VA<br>Current I/p : < 0.25VA | Auxiliary : <1VA (LED)<br>Voltage I/p : <0.1VA<br>Current I/p : < 0.25VA | Auxiliary : <20mVA (LCD)<br>Voltage I/p : <0.1VA<br>Current I/p : < 0.25VA |
| <b>Environmental Conditions</b> | 0-50oC, <70% RH (Operation)<br>-10 to 70oC, <70% RH (Storage)                 |  |  |  |
| <b>Mounting Bezel</b>           | Elegant Black ABS Bezel with 4 fixing screws and necessary hardware.          |  |  |  |
| <b>Connectors</b>               | PCB Edge Connectors (Optional)  |  |  |  |
| <b>Faceplate</b>                | Red antiglare Lens - LED  | LCD Glass -LCD   | Red antiglare Lens - LED   | LCD Glass -LCD   |
| <b>Input Range</b>              | 0 - 200 mV DC<br>0 - 2, 20, 200 V DC<br>0 - 200 uA DC<br>0 - 2, 20, 200 mA DC |  |  |  |
| <b>Power Supply</b>             | 5 V DC $\pm$ 10%  | 9 V DC $\pm$ 10%   | 5 V DC $\pm$ 10%   | 9 V DC $\pm$ 10%   |
| <b>Dimensions(mm)</b>           | Front- 70 X 46  |  |  |  |
|                                 | Depth - 21  |  |  |  |
|                                 | Panel Cut-Out - 66.5(+0.5, -0.0) X 28.5(+0.5, -0.0)                           |  |  |  |
|                                 |   |  |  |  |
| <b>Terminal Details</b>         |   |  |  |  |