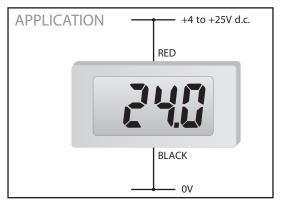
## QM 100V

QM 100V is an easy to mount LCD digital panel meter. The module features a 4 to 25V measurement range with 100mV resolution and is powered from the signal it is measuring. Only valid readings are displayed; the module indicates "LO" at voltages below 4V and "HI" at voltages above 25V. To install the meter, the user need only drill a single 5.5mm /  $\frac{7}{2}$ , "hole in the panel. The module is fitted to the panel by locating its threaded stud through the hole, fitting the washer and tightening the nut provided. The module's connecting wires pass through the hollow stud into the target application for connectionA rubber seal is included, providing splashproof protection for the unit when fitted to the meter during installation.

- Single Hole Mounting
- 2-Wire Operation
- 4 to 25V d.c. Full Scale Reading
- 12.5mm / 0.5" LCD Digit Height
- Reverse Polarity Protection
- Splashproof



|                                 |      |      | Shown Actual Size |               |  |
|---------------------------------|------|------|-------------------|---------------|--|
| Easy Mounting Voltmeter QM 100V |      |      |                   |               |  |
| Specification                   | Min. | Тур. | Max.              | Unit          |  |
| Accuracy (overall error)        | 1    | 0.2  |                   | V (± 1 count) |  |
| Linearity                       |      |      | ± 1               | count         |  |
| Valid displayed reading*        | 4.0  |      | 25.0              | V d.c.        |  |
| Resolution                      |      | 100  |                   | mV d.c.       |  |
| Sample rate                     |      | 3    |                   | sample/sec    |  |
| Operating temperature range     | 0    |      | 50                | °C            |  |
| Supply voltage                  | 3    |      | 50                | V d.c.        |  |
| Supply current                  |      |      | 3                 | mA            |  |

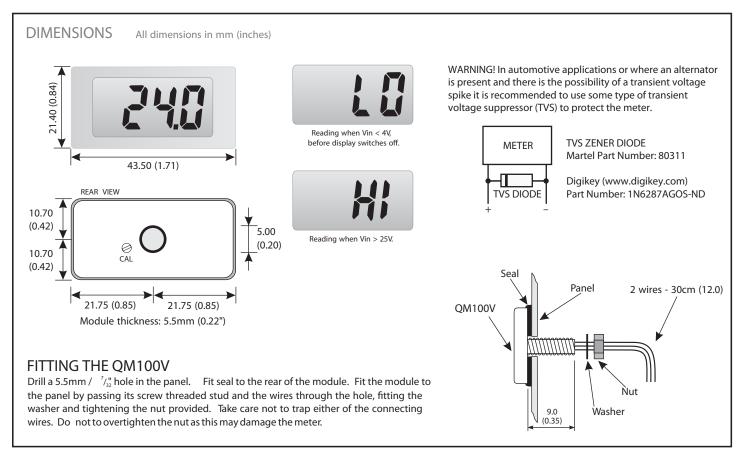
\* At voltages below 4.0V d.c., the LCD will display LQand will ultimately go blank. At Voltages in excess of 25.0V d.c., the LCD will display HI

Do NOT exceed 50V d.c., as this may damage the meter.

The module includes reverse polarity protection up to 30V for up to 30 seconds. Operation and accuracy at voltages above 25.0V or below 4.0V are not specified.

## SAFETY

To comply with the Low Voltage Directive (LVD 93/68/EEC), input voltages to the module's wires must not exceed 60Vd.c. The user must ensure that the incorporation of the meter into the user's equipment conforms to the relevant sections of BS EN 61010 (Safety Requirements for Electrical Equipment for Measuring, Control and Laboratory Use).





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