

Version 2011-01

## DPM961 DPM962

### Datasheet

Digital Panel Meter



### Description

These modules are low profile LCD digital panel meters conforming to DIN standard panel sizes 24mm x 48mm and 36mm x 72mm. They use advanced components and construction techniques to provide performance combined with elegant appearance at a cost previously unattainable. The LED backlight provides clear, easy to read display under all lighting conditions. A large character height enables the LCD display to be easily read. Low power ideal for battery powered applications.

Connections and PCB pads are brought out to enable the module to operate in various modes. An on board voltage reference source is included allowing the units to accurately measure external external voltages from -200mV to +200mV, a potentiometer allows the installer to adjust the indicated value.

### Typical applications

Indication of DC voltage or current in vehicles, boats etc (requires additional external components or an adapter from our range). Indication of industrial process parameters such as voltage, current, temperature etc.

### Features

- Low power consumption
- 10mm black character high contrast LCD display.
- Backlit version DPM961-T
- Hold function with annunciator.
- 5 or 9VDC operation
- 200mV full scale
- Scaleable
- Low battery warning 9V operation only

### Specification

#### Supply Voltage

5V (min 3V max 7V); 9V (min 7V max 12V)

#### Display

3 1/2 digit black LCD,  
DPM961 10mm characters  
DPM962 14mm characters

#### Supply current

2mA typical

#### Sample rate

3 per second

#### Backlight current

80mA

#### Accuracy

>0.5% ± 1 count

#### Operating Temp.

0°C to +50°C

#### Storage Temp.

-20°C to +70°C.

#### Dimensions

DPM961 24mm x 48mm  
DPM962 36mm x 72mm

### Order Information

#### Dimension

DPM961 24mm x 48mm  
DPM962 36mm x 72mm

#### Backlight

green -T  
negative green -NTG  
negative red -NTR  
white -TW  
no backlight -R