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.
-10°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