TDE Instruments GmbH
Gewerbestraße 8
D-71144 Steinenbronn
Germany

Tel.: +49 7157 20801
Fax: +49 7157 20813
Email: info@tde-instruments.de
Web: www.tde-instruments.de

# DPM961 and DPM962

## 3 1/2 digit panel meter with different display symbols, data hold function and low battery indicator. Supply voltage 5 V or 9 V DC. In 5 V operation galvanic separation of measurement and operating voltage is not required.




## Description

These modules are low profile LCD digital panel meters conforming to DIN standard panel sizes 24 mm x 48 mm and 36 mm x 72 mm. 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 -200 mV to +200 mV, a potentiometer allows the installer to adjust the indicated value.
Typical applications are indication of DC voltage or current in vehicles, boats etc when measuring voltage is used as supply voltage or indication of industrial process parameters such as voltage, current, temperature etc.

## Features

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






TDE Instruments GmbH
Gewerbestraße 8
D-71144 Steinenbronn
Germany

Tel.: +49 7157 20801
Fax: +49 7157 20813
Email: info@tde-instruments.de
Web: www.tde-instruments.de

## Specification

Supply Voltage:
5 V (min 3 V max 7 V); 9 V (min 7 V max 12 V)
Display:
3 1/2 digit black LCD,
DPM961 10 mm characters
DPM962 14 mm characters
Supply current:
2 mA typical
Sample rate:
3 per second
Backlight current:
80 mA
Accuracy:
>0.5% ± 1 count

Operating Temp.:
0 °C to +50 °C
Storage Temp.:
-20 °C to +70 °C
Dimensions:
DPM961 48 x 24 mm
DPM962 72 x 36 mm

## Order Information

Size 48 x 24 mm

DPM961-TG Green backlight
DPM961-TW White backlight

Size 72 x 36 mm

DPM962-TG Green backlight
DPM962-TW White backlight