PMLCDL

EN DIGITAL PANEL METER LCD - 9 VDC
NL DIGITALE LCD PANEELMETER - 9 VDC
FR AFFICHEUR LCD - 9 VCC
ES INSTRUMENTO DE PANEL DIGITAL LCD – 9 VDC
DE DIGITALES LCD-PANELMETER – 9 VDC

USER MANUAL

1. Introduction

To all residents of the European Union

Important environmental information about this product

This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing Velleman! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

2. Applications

Voltmeter, thermometer, PH meter, dB meter, Watt meter, current meter, capacitance meter, Lux meter, LCR meter, other industrial & domestic uses

3. Operation

If needed, add proper voltage dividers (not included) and decimal point wire jumper:
(RA and RB are 1/2 W 0.5% metal film resistors)

Max. voltage to be measured	Proper Voltage Divider	Decimal Point
200 mV	-	Short-circuit P3 - P0
20 V	Disconnect wire jumper in RB. RB = 9.9MΩ ; RA = 100kΩ	Short-circuit P2 - P0
200 V	Disconnect wire jumper in RB. RB = 9.99MΩ ; RA = 10kΩ	Short-circuit P3 - P0
500 V	Disconnect wire jumper in RB. RB = 9.999MΩ ; RA = 1kΩ	-

- Connect an appropriate power supply to the panel meter (depending on the model, see Technical Specifications).
- For ranges other than 200mV, generate an input voltage of exactly half the measuring range (e.g. 100V for 200V range) and carefully adjust the semi-fixed resistor R2 until you obtain the same reading on the display.
- Connect the input voltage to be measured to +Vin and -Vin. The input voltage should be DC only.

4. Technical Specifications

display	3 1/2-digit LCD
input sensitivity	200 mV FS
power supply	9 VDC (7 - 12 VDC)
decimal point selection	with wire jumper
automatic polarity indication	
figure height	13 mm (0.52")
sampling rate	2 - 3 readings / sec.
guaranteed zero reading for 0V input	
high input impedance	> 100 MOhm
accuracy	± 0.5%
power consumption	1 mA DC
dimensions	68 x 44 mm
dissipation	1 - 2 mA
power requirement	10 - 20 mW

Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulting from (incorrect) use of this device.