

Programmable Meter Display (3x5 Digit)

Model PMD-503E



PERFORMANCE SPECIFICATIONS

DESCRIPTION	LED Digital Display, 7-segment, 0.31", 5 digits
RECOMMENDED INSTALLATION	Panel mount, 1/8 DIN standard, larger cutout for optional metal case
HOUSING MATERIAL	94V-0 UL rated self-extinguishing polycarbonate, optional metal case
APPROVALS	CE per EN-61000-3/4/6 and EN-61010-1
OPERATING TEMPERATURE	0° to 50°C (32°F to 122°F)
STORAGE TEMPERATURE	-20° to 70°C (-4°F to 158°F)
RELATIVE HUMIDITY	95% (non-condensing) at 40°C (104°F)
ENVIRONMENTAL	Optional IP 65 ore NEMA-4 front cover
WEIGHT	0.79 lbs (11.5 oz) standard, weight increases with options
OVERALL DIMENSIONS	3.78"W x 1.89"H x 5.61" D (96x48x143 mm) including rear connectors
TRANSDUCER ACCEPTED	Pressure/load sensors, 4-wire full bridge or 6-wire with internal shunt
TRANSDUCER INPUTS ACCPETED	0.5 to 20 mV/V strain gage, optional Voltage DC or AC, Current
TRANSDUCER EXCITATION	Jumper selectable 5 VDC, 10 VDC or 24 VDC
OPTIONAL SENSORS ACCEPTED	RTD, Thermocouple, LVDT, potentiometric, magnetostrictive, frequency, pH
ANALOG OUTPUT	0 to 5/10 VDC or 4-20 mA, or option for both (output does not go negative)
ANALOG OUTPUT RESOLUTION	16-bit D/A provides 250µV for voltage output or 0.4µA for current output
ANALOG OUTPUT RESPONSE	Typical 143 msec, faster response optional
PEAK CAPTURE RESPONSE	Typical 330 msec, faster response optional up to 10 msec (optional)
COMMUNICATIONS	Optional RS232, RS485, Ethernet, DeviceNet, ModBus
DIGITAL DISPLAY	Red LED standard, green or super bright optional, numeric or alpha
DISPLAY UPDATE RATE	Typical 5 per second
DISPLAY POLARITY INDICATION	Assumed positive, displays (-) for negative
OVERRRANGE INDICATION	Displays (over) or (under)
DECIMAL POINT SELECTION	Front panel, user selectable to five positions
ZERO SETUP	Apply zero input to sensor (tare available)
SCALING SETUP	Apply full scale input to sensor
POWER SUPPLY	85 to 265 VAC, optional 10 to 72 VDC
SHUNT CALIBRATION	Remote shunt or optional shunt resistor internal to meter
OTHER FEATURES	RS232 programmable, Peak/Valley, Linearization, Math Functions, Data Logging
OTHER OPTIONS	Multiple displays, Dual/Tri/Quad inputs, up to 6 limits with programmable setpoints, PID loop control, optically isolated I/O, custom macro programming



Features

- LED digital display
- 7-segment, 0.31"
- 3 x 5 digits
- Peak and valley displayed
- Panel mount
- 1/8 DIN standard
- For pressure/load sensors
- 0.5 to 20 mV/V strain gage



Options

- Voltage DC or AC, Current
- IP 65 or NEMA-4 front cover



Drawing

- 97-3600-0000