

Laurel Digital Panel Meters

- Universal input: DC V/A, AC RMS V/A, process, temperature, resistance, potentiometer
- 65 user selectable function/range combinations
- 18-265V AC/DC power
- 0.2% basic DC accuracy
- Relay & analog output options
- RS-485 Modbus option





ORDERING INFORMATION

L40	Low cost DPM with factory default settings
L40-FS	Low cost DPM with custom setup
L40-FS-A1	Low cost DPM with 1 form C relay & custom setup
L40-FS-M1	Low cost DPM with isolated 4-20mA output & custom setup
L40-FS-S1	Low cost DPM with isolated RS485 Modbus output & custom setup
L40-FS-A1A2	Low cost DPM with 2 form C relays & custom setup
L40-FS-M1A2	Low cost DPM with isolated 4-20mA output, 1 form C relay & custom setup
L40-FS-S1A2	Low cost DPM with isolated RS485 Modbus output, 1 form C relay & custom setup

Accessories

IPC	Front panel cover, seals front of meter case to NEMA 4X
BOX1	Wall mount polycarbonate enclosure sealed to NEMA 4X
BOX2	Wall mount polycarbonate enclosure sealed to NEMA 4X, plus IPC cover

SPECIFICATIONS

DC ranges:	±60.0mV, ±200.0mV, ±2.000V, ±20.00V, ±200.0V, ±400V, ±20.00mA, ±5.00A
AC ranges:	60.0mV, 200.0mV, 2.000V, 20.00V, 200.0V, 400V, 20.00mA, 5.00A
Process signals:	4-20mA DC, 0-10V DC
Resistance:	9999Ω, 99.99kΩ
Potentiometer:	50Ω to 100.00kΩ
Thermocouple:	J, K, E, N, L, C, R, S, B, T
RTD:	Pt100, Pt500, Pt1000, Ni100, Ni200, Ni1000
NTC thermistor:	100Ω to 50.00kΩ
PTC thermistor:	KTY-121, KTY-210, KTY-220 series
Basic accuracy (FS):	0.2% DC/process, 0.3% AC, 0.5% resistance/pot, 3°C T/C, 1°C RTD, 1% reading NTC thermistor, 1°C PTC thermistor
Display:	4 digit LED, -1999 to 9999, 5 brightness levels
Analog output:	4-20mA, active or passive with adjustable scaling; Max load: 350Ω active, 700Ω passive; Accuracy 0.5%, 1000V DC isolation
Relay output:	Form C (NO/NC), 8A @250VAC, 2500Vrms isolation
RS-485:	Modbus RTU, 4800/9600 baud, 1000V DC isolation
Power:	18 to 265V AC/DC, <2.5W, 2500Veff isolation
Environment:	0 to 50°C operating
Protection:	IP50 (standard), IP54 (NEMA-12) with optional gasket
Dimensions:	1/8 DIN: 48 x 96 x 100 mm; 44 x 92 panel cutout

Custom setup includes option installation, jumper settings and front panel programming. Specify the signal type and range. For DC, AC, process and resistance signals which require scaling, specify min input, min reading, and max input, max reading. For temperature, specify 1° or 0.1° resolution and °C or °F. For NTC thermistors, specify R25 and beta. For relays, specify setpoint, hi or lo action & hysteresis.