

DK190F



Loop Powered LCD Digital Panel Meter

3½ Digit Flat Pack LCD with Loop Powered Adder Board



Features:

- ◇ Low-cost, high-performance replacement for many OEM DPMs
- ◇ Surface or inside panel mounting
- ◇ Resistant to RF and EMI
- ◇ 3½ digits with high-contrast LCD
- ◇ 4- 20 mA loop powered input

Specifications:

Display:	Digits:	3 ½ digits (±1999 counts)
	Type:	0.5" (12 mm) 7 segment LCD
	Polarity:	automatic, "-" displayed
	Decimal Points:	3 position, user selectable
	Overrange:	three lower order digits blank for inputs >1999 & < -1999
Inputs:	Ranges:	4-20 mA DC
	Configuration:	bipolar differential
	Protection:	30 mA max.
	Loop Burden:	300Ω nominal
Performance:	Accuracy:	±(0.1% fs + 2 count)
	Conversion Rate:	3 per second
	Normal Mode Rejection:	>30 dB @ 60 Hz
	Adjustments:	span (gain) and zero (offset)
	Warmup:	10 minutes typical
	Temperature Coeff.:	±100 ppm per °C typical
Environment:	Operating Range:	0 to 50 °C
	Storage Range:	-20 to 70 °C
Power Supply:		powered by the milliamp control loop
Mounting:		surface
Connection:		2 screw terminal

Ordering Information:

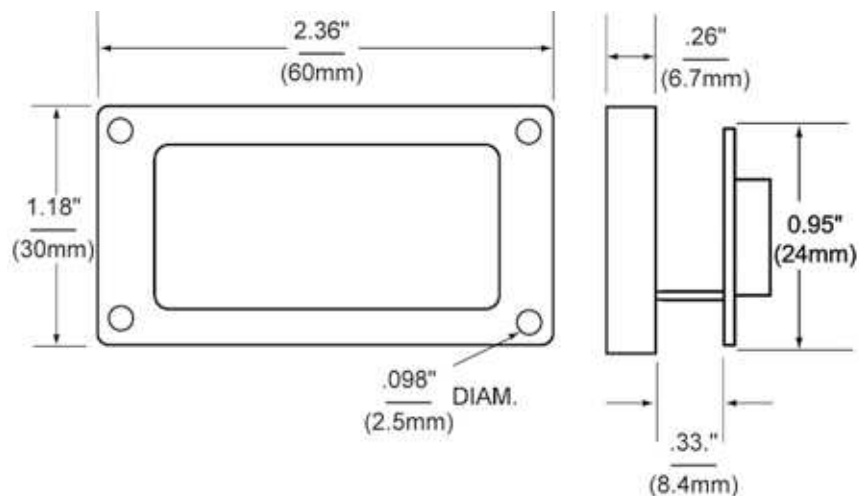
PART NUMBER

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PW2-12.....	Regulated 120V AC to 12V DC Power Supply
PW2-24.....	Regulated 120V AC to 24V DC Power Supply
PW1.0.....	24V AC to adjustable DC output
CPW1.5.....	24V AC to adjustable DC output
CVC.....	Calibrator



Dimensions



Wiring

1. DECIMAL SELECTION:

1999	•	•	•	■
199.9	■	•	•	•
19.99	•	■	•	•
1.999	•	•	■	•
	J7	J6	J5	J4

2. J1, J2, J3 SELECTION:

IF: OFFSET (ZERO) IS 0 **or**
OFFSET (ZERO) > 0 **and** GAIN (SPAN) + OFFSET (ZERO) ≥ 5

	J3	J2	J1
A	•	•	•
B	•	•	•

IF: OFFSET (ZERO) > 0 **and** GAIN (SPAN) + OFFSET (ZERO) < 5

	J3	J2	J1
A	•	•	•
B	•	•	•

