



# Rectangular Style Analog Panel Meters



- **Plastic case with Glass Window**
- **Calibration not affected when mounted on steel**
- **Three popular sizes: 2-1/2", 3-1/2", 4-1/2"**

## Specifications

<b>Accuracy</b>	±2% full scale (F.S.) (iron-vane), ±3% (rectifier)
<b>Wattmeters:</b>	±2%F.S.; Compensated meters: ±3%F.S.
<b>Movement</b>	Models 57, 59, 157 Iron-vane, magnetically damped Wattmeters: Dynamometer All others: Annular, rectifier type, self-shielding
<b>Suspension</b>	Pivot and jewel; "T" styles: taut band
<b>Tracking</b>	±3%
<b>Shielding</b>	Calibration is unaffected by magnetic panel mounting
<b>Response Time</b>	1.5 seconds maximum
<b>Overload (1 sec.)</b>	10 times F.S.
<b>Overload (Continuous)</b>	1.5 times F.S.
<b>Repeatability</b>	2%, tautband: .5%
<b>Dial</b>	Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used
<b>Resistance</b>	±15% of meter impedance
<b>Pointer</b>	Spade pointer with black, matte finish
<b>Scale Length</b>	Models 177 & 157: 1.6" (40.6mm) Models 147, 127 & 127T: 1.8" (45.7mm) Models 57 & 77: 2.3" (58.4mm) Models 27, 27T, & 47: 2.5" (63.5mm) Models 59 & 79: 3.50" (89.0mm) Models 29, 29T, & 49: 3.9" (99.0mm)
<b>Net Weight</b>	Models 57 & 157: 5oz (0.14kg) Models 127, 127T & 147: 7oz (0.20kg) Models 27, 27T, 47 & 59: 8oz (0.23kg) Models 77 & 177: 9oz (0.26kg) Models 29, 29T & 49: 11oz (0.31kg) Model 79: 12oz (0.34kg)

## Frequency Meter Specifications

<b>Accuracy</b>	45-55Hz ±0.3Hz (120V-240V) 55-65Hz ±0.3Hz (120V-240V) 380-420Hz ±1.2Hz (120V-240V)
<b>Movement</b>	Small core magnet, self-shielding
<b>Suspension</b>	Pivot and jewel
<b>Shielding</b>	Calibration is unaffected by magnetic panel mounting
<b>Center Scale Value</b>	50/60/400Hz
<b>Power Consumption</b>	1.6VA
<b>Warm-up Time</b>	5 minutes
<b>Max. Input:</b>	
<b>Voltage (10 sec)</b>	150, 120V normal 280, 240V normal
<b>Dial</b>	Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used
<b>Case</b>	High density black plastic
<b>Operating Temperature</b>	-4°F to +149°F (-20°C to +65°C)
<b>Pointer:</b>	Spade pointer with black, matte finish
<b>Scale Length:</b>	Model 187: 1.8" (45.7mm) Model 89: 3.5" (89.0mm) Model 87: 3.9" (99.0mm)
<b>Net Weight:</b>	Model 187: 5oz (0.14kg) Model 87: 8oz (0.23kg) Model 89: 11oz (0.31kg)

