

# Model 5050-06XP

## Portable High Resolution Digital Ohmmeter

The HebTech Portable Digital Resistance Tester - Model 5050-06XP from is designed for high resolution, production resistance testing in an industrial environment. As a high resolution, digital ohmmeter, the Model 5050-06XP couples laboratory precision with the durability and low cost required by industrial resistance testing applications.

By using a four-wire, Kelvin-based, resistance measurement system, the Model 5050-06XP eliminates the inaccuracies introduced by test lead and contact resistance. With the optional RS-232 computer interface, it can readily be integrated with in-plant computers for automated testing and data acquisition. It is also extremely economical when used for spot checks or short production runs.



The lightweight, plastic and aluminum case comes with a bail foot for easy carrying. The foot can also be set for individualized ergonomic comfort for use at a benchtop station.

### Operating Ranges:

Range	Resolution	Test Current
0.2 $\Omega$	10 $\mu\Omega$	100 mA
0 - 2 $\Omega$	100 $\mu\Omega$	100 mA
0 - 20 $\Omega$	1 m $\Omega$	10 mA
0 - 200 $\Omega$	10 m $\Omega$	1 mA
0 - 2K $\Omega$	1 $\Omega$	100 $\mu\text{A}$
0 - 20K $\Omega$	10 $\Omega$	100 $\mu\text{A}$
0 - 200K $\Omega$	100 $\Omega$	10 $\mu\text{A}^*$

*\* Low Current Option Figures*

### Test Voltage for Full Scale

200 millivolts up to 2K $\Omega$   
2 volts from 20K $\Omega$  to 200K $\Omega$

### Accuracy:

$\pm 0.02\%$ ,  $\pm 1$  digit at 25°C  $\pm 0.001\%$  per °C  
rated at 0° - 50°C

### Display:

4 ½ digit 0.5" [13mm] LED

### Power Requirements:

117VAC  $\pm 10\%$ , 50-60Hz, 5 watts  
220VAC optional

### Available Options:

**Temperature Compensation** - permits test of components as if they were being tested at laboratory standard temperatures.

**Audible Alarm** - to announce an 'in tolerance' test. This can speed up manual testing as the operator does not need to look at the meter reading to see if the component is 'in spec'.

### Enclosure:

8.4" x 9.5" x 3.5" (215mm x 242mm x 89mm)  
Bail Foot/Handle  
Plastic Case with Aluminum Front and Rear Panels

### Calibration:

Certificate of Calibration traceable to NIST with every unit.



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