

# MODEL 5050-06XP

## OVERVIEW

The New Portable Digital Resistance Tester - Model 5050-06XP from Harris IRT Enterprises 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. Now, it's all portable!

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.

## OPTIONS

- Ambient Temperature Compensation**
  - Components are tested, regardless of the temperature of the plant, as if they were being tested at laboratory standard temperature.
- RS-232 Serial Communication**
  - allows for data collection from a remote location.
- High Range Option**
  - Provides expanded testing capability from 2Ω - 200KΩ.

The Model 5050-06XP makes 100% production testing practical, simple, and economical without giving up superior accuracy and high resolution all in a portable, economical benchtop package.

**HARRIS IRT ENTERPRISES, INC.**

*Bringing Laboratory Precision to the  
Production Floor for More than 20 Years*

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## FEATURES

### SPECIFICATIONS

<u>Range</u>	<u>Resolution</u>	<u>Test Current</u>
0-.2	1mΩ	.1mA
0-2 Ω	1 mΩ	100mA
0-20 Ω	10 mΩ	10mA
0-200 Ω	100 mΩ	1mA
0-2K Ω	1 Ω	100μA
0-20K Ω	10 Ω	100μA
0-200KΩ	100Ω	10μA*

\* High Range Option Figures

### Test Voltage for Full Scale

200 millivolts up to 2KΩ  
2 volts from 20KΩ to 200KΩ

## ACCURACY

- ±0.02%, ±1 digit at 25°C ±0.001% per °C rated at 0° - 50°C

## DISPLAY

- 4 ½ digit 0.5" [13mm] LED

## POWER REQUIREMENTS

- 117VAC ± 10%, 50-60Hz, 5 watts
- 220VAC optional

## 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