

# MODEL 5012-06XP

## OVERVIEW

The Harris IRT Enterprises' New Portable Limit-Sensing Resistance Tester - Model 5012-06XP - is designed for production resistance testing in an industrial environment where portability and small footprint are essential. As a high resolution, digital ohmmeter, the Model 5012-06XP couples limit-sensing, laboratory precision with the durability required by industrial resistance testing applications, as well as the portability asked for by so many of our customers.

By using a four-wire, Kelvin-based, resistance measurement system, the Model 5012-06XP eliminates the inaccuracies introduced by test lead and contact resistance. When a large number of similar components are to be tested, high and low resistance limits are set using front panel push button thumbwheel switches. Indicator LEDs illuminate when a component's resistance is above, below or within set test limits. An output relay is triggered to permit the automated rejection of unacceptable or improper components.

## 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.
- Other options available with the 5012-06XR (rack mount instrument).**

The Model 5012-06XP makes 100% production testing practical, simple, and economical without giving up superior accuracy and high resolution.

**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*

\* Low Current Option Figures

#### Test Voltage for Full Scale

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

## ACCURACY

- ±0.05%, ±1 digit at 25°C ±0.001% per °C rated at 0° - 50°C

## DISPLAY

- 3 ½ digit 0.5" [13mm] LED
- 4 ½ digit readout on Optional RS-232

## 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