

Model 2005

Overview

The Harris Instrument Corporation Resistance Master - Model 2005 is an excellent portable standard for periodic calibration checks of production resistance testers. It provides a precision, laboratory-quality resistance set in a rugged, lightweight, easy-to-use unit. The possibility of a calibration error occurring due to switch or lead resistance is eliminated by utilizing a true, four-wire Kelvin connection between the panel-mounted banana jack terminals and the internal precision resistors.

Use of the Model 2005 simplifies calibration checks of Harris Instrument Corporation (and other makes) resistance test equipment. Full-scale measurement of each range of the instrument being tested can be checked directly by simply turning the Resistance Master dial to the full-scale, upper-limit value of the resistance tester range under test.

Two certification levels are available for the Model 2005:

- 1) **Standard** – Resistance value for each range is listed on the unit. Resistance values are based upon the values of the precision resistors used in the Model 2005.
- 2) **Certified** – Resistance value for each range is determined by comparison to a instrument whose calibration is traceable to the National Institute of Standards and Testing.

The Model 2005 is accompanied by a certificate certifying the standards comparison.

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Features

Resistances

- ◆ 2 ohms, 20 ohms, 200 ohms, 2000 ohms and 20000 ohms. Custom Resistances are available upon request.

Accuracy

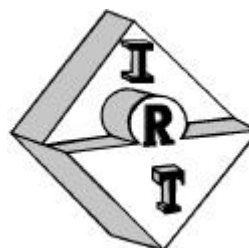
- ◆ $\pm 0.02\%$ at 25°C

Stability

- ◆ 10ppm/°C

Enclosure

- ◆ 3" [76mm] wide by 4" deep [102mm] by 6" tall [152mm]. Housing approximately 1 LB [0.45kg].



**Industrial
Resistance
Tester
Division**