

## Model 295 Series

## Balancing Computer

The Model 295 Series is the latest Balancing Computer from IRD® that replaces the Model 290.

The Model 295 Series employs IRD's unique synchronous digital averaging tracking filter technology to provide an easy to use, top of the line balancing instrument. The touch screen computer prompts the user through the balancing process. The Model 295 was first released in 2012. All 295 Instruments are upgraded to the latest hardware and software upon their yearly calibration.



The Model 295 Plus utilizes the same software with the added advantage of Wifi capability, a VGA port, a larger screen, two additional USB ports on the front of the instrument, and the power button is moved to the front of the instrument for convenience.

The Model 295 and Model 295 Plus are ideal choices for new balancing machine systems as well as a plug in replacement for an IRD® Model 290, 236, or 246 instrument. Additionally, it can be used to improve the performance and upgrade other balancing machines.

The Model 295 Plus utilizes the same software with the added advantage of Wifi capability, a VGA port, a larger screen, two additional USB ports on the front of the instrument, and the power button is moved to the front of the instrument for convenience.

### Standard 295 Features

Number of Balancing Planes:  
1 or 2

Amplitude Range:  
0.01 to 5,000 micrometers  
0.001 to 199 mils  
p-p, auto ranging

Utilizes Windows®7 Embedded operating system

Filtering: Dual, narrow band shaft synchronous, digital tracking filters with averaging

Color touch screen interface with polar or digital unbalance display

Balance tolerance selected from standard references (ISO, API, MIL-SPEC) or user defined

Unbalance Readout: g mm, g in, oz in, grams or ounces

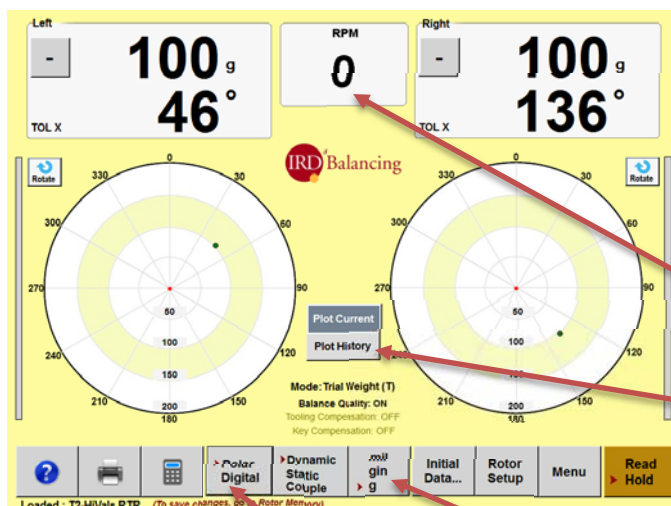
Clear color indication of 'in' or 'out' of balance tolerance

Customizable Reports

Optional use with calibrators for 'one-run' balancing

Electronic compensation for tooling errors, keys & keyways

Vector split calculation feature

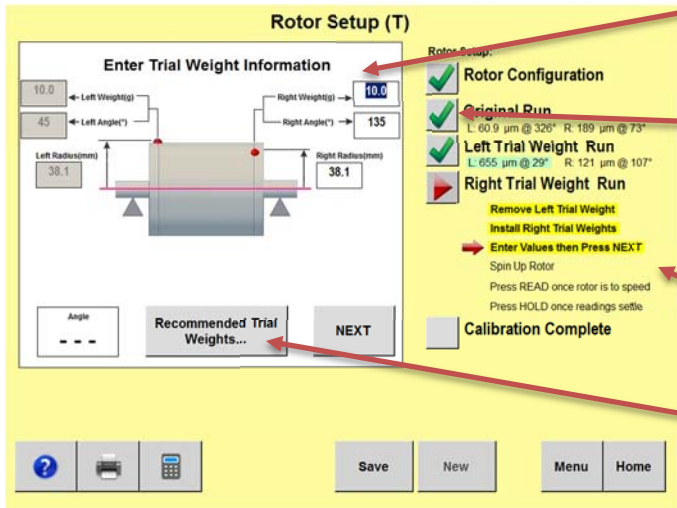


Speed Range:  
30 – 6,000 RPM

Holds memory of previous runs

Polar or Digital Unbalance Display

Easily switch between mils, gram inches, or grams



Images for user comprehension

Self-checks to ensure proper calibration

Easy to follow step by step instructions

Recommendations for unexperienced balancers

### Model 295 Plus Additional

Larger touch screen: 15 inch / 381 mm diagonal display

Wi-Fi Network capabilities & VGA Port

Two (2) additional USB Ports on front of instrument

Power button on front of instrument

### Standard Features

- Input Voltage: 115/230 VAC, 50/60 Hz
- Operating Temperature: -10 to +50°C / 14 to 122°F
- Printer Output: USB & Network (LAN Port for 295, Wi-Fi option with 295+)
- Help: Online help & tutorial screens
- Unit Display: Imperial or Metric
- Language Selection: English, Spanish, French
- Unbalance Readout: g mm, g in, oz in, grams or ounces
- Dimensions: 520 x 400 x 345 mm / 20.5 x 15.8 x 13.6 in
- Shipping weight w/o accessories: 20 kg / 44 lb
- Display: Standard 295 only: 307 mm / 12.1 in

Standard 295 Package	295 Plus Package	Brief Description	Detailed Description
E00363	E00363-1	Instrument Only	Model 295 for applications where all accessories (vibration sensors, photocell, mounting brackets and cables) are already available. This package includes the 295 instrument, power cable, operation manual and vinyl dust cover.
E00360	E00360-1	Instrument and accessories for soft bearing balancing machines (B5-B200)	Model 295 for new or existing Soft Bearing Balancing Machines. Accessories, in addition to those included in the E00363 package include: two Model 546DP sensors, speed sensor, speed sensor mounting arm, reflective tape and all cables.
E00361	E00361-1	Instrument and accessories for Large Capacity End Drive Machines (B500-B140)	Model 295 for new or existing Soft Bearing Balancing Machines/Pedestals. Accessories, in addition to those included in the E00363 Package, include: two Model 546DP sensors, speed sensor, reflective tape and all cables.

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