

IRD811D Pro

Vibration Meter and Bearing Health Checker

Portable Instrument that measures Vibration in Acceleration, Velocity and Displacement. Bearing Condition in Spike Energy

IRD
Mechanalysis

Introduction: IRD811D is a **Portable Instrument** that is able to measure **Overall Vibration Amplitude** in Acceleration, Velocity and Displacement. It is also a **Bearing Health Checker** as it measures Spike Energy - A parameter that helps assess the Condition of **Anti-Friction Bearings (Rolling Element Bearings)**. IRD811D is easy-to-use and comes with a Display that is easy-to-read even in Bright Sunlight. IRD811D is a great tool for carrying out Routine Vibration Checks on Machines like Motors, Pumps, Fans, Compressors and more. By trending Spike Energy and comparing with Charts - one can arrive at the **remaining useful life of a Bearing** and can take advance actions to ensure smooth Operation & Maintenance.

What's in the Box

A standard kit of IRD811D contains the following items out of the Box:

- 1 x IRD811D unit
- 1 x IRD521 Vibration Sensor - Accelerometer 100 mV/g
- 1 x Coiled Cable of 0.8m collapsed length and 3m expanded length - with 2 Pin MRS connector at Meter End and 2 Pin MS at Sensor End
- 1 x 9" Extension Rod (Stinger) for hard-to-reach spots
- 1 x 20kg Pull Strength magnet for Magnetic mounting
- 1 x 9 V Rechargeable Battery along with its charger
- 1 x Soft or Hard carrying case - as ordered

Specifications:

Input Power	: 1 x 9V Battery Rechargeable/Non-Rechargeable; Recommended 210mAh or higher
Input Sensor	: 1 x IRD521 Vibration Sensor - Accelerometer 100 mV/g
Measurement Range Acceleration	: Amplitude - 20.00 g pk; Frequency - 2 Hz to 10 KHz
Measurement Range Velocity	: Amplitude - 200.0 mm/s RMS (pk on request); Frequency - 2 Hz to 5 KHz
Measurement Range Displacement	: Amplitude - 2000 um (micron) pk-pk; Frequency - 2 Hz to 400 Hz
Measurement Range Spike Energy	: 20.00 gSE
Display	: LCD 3 ½ Digit - easily readable in Bright Sunlight
Accuracy	: +/- 1% of Full Scale for Instrument Only; +/- 10% for Instrument with Sensor
Operating Temperature	: 0°C to 55°C
Storage Temperature	: -18°C to +60°C
Weight and Dimension	: Instrument 0.4 kg, 175 mm (L) x 80 mm (W) x 54 mm (H); Carrying Case – Approx 2 kg (including meter and standard accessories)

How to Order: Contact sales@irdmech.com for a quote for complete kit and/or accessories.

We reserve the right to change specifications without prior notice



IRD Mechanalysis Limited
E8-14, Bhumi World Industrial Park, Thane - 421311, Maharashtra, India
www.irdmech.com | sales@irdmech.com | +91-2248972000