PORTABLE CONDITION MONITORING

IRD202
Elite

Vibration meter and bearing health checker

Machine checks. Bearing screening. Readings you can keep.

One instrument. Four perspectives.

Measure acceleration, velocity and displacement in metric or imperial units. Add Spike Energy (gSE) for rolling-element bearing-condition screening.

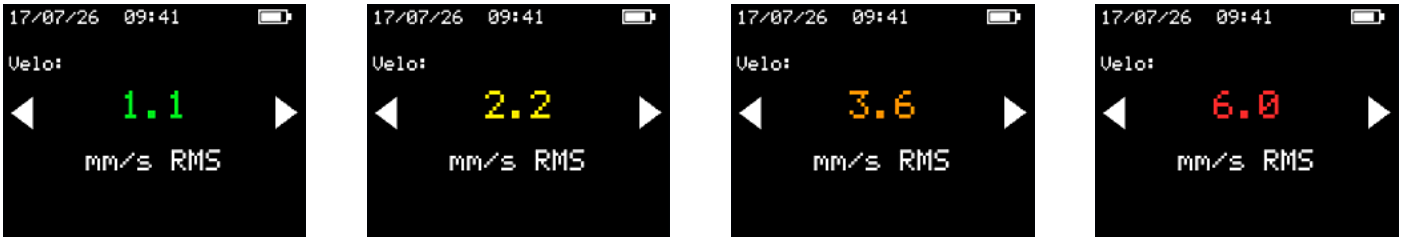
Save the reading.
Keep its date and time.

Take it to the desk.
Transfer over USB-C to Windows and export to Excel.



Actual IRD202 product photograph at startup.

Colour-coded display



Official website display examples, reproduced as supplied. Readings shown are illustrative.

Make routine checks repeatable.

A practical workflow for maintenance teams checking motors, pumps, fans and blowers.



IRD202 and sensor in actual site use. Display readings are examples only.

01 Connect

Connect the IRD521 sensor to the meter using the coiled cable. Align the keyed connectors; do not force them.

02 Select

Choose acceleration, velocity, displacement or Spike Energy, then select the required units.

03 Measure

Mount the sensor firmly at the measurement point. Allow a few seconds for the reading to settle.

04 Keep the result

Use HOLD to pause the display, or save a reading with its date and time for later transfer.

Build a useful inspection record

01

Routine routes

Return to the same measurement point and compare readings under similar operating conditions.

02

Bearing screening

Use Spike Energy alongside overall vibration checks and maintenance observations.

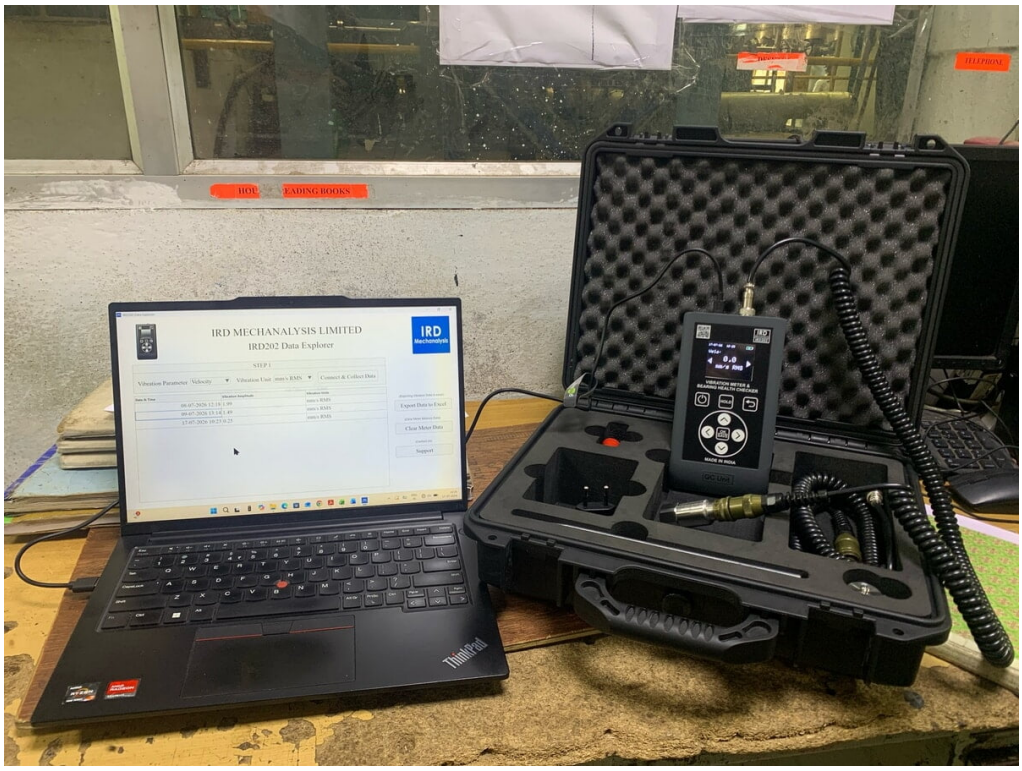
03

After maintenance

Record repeat checks following repair or alignment and retain the results for comparison.

From field readings to reports.

A portable kit at the machine. IRD202 Data Explorer at the desk.

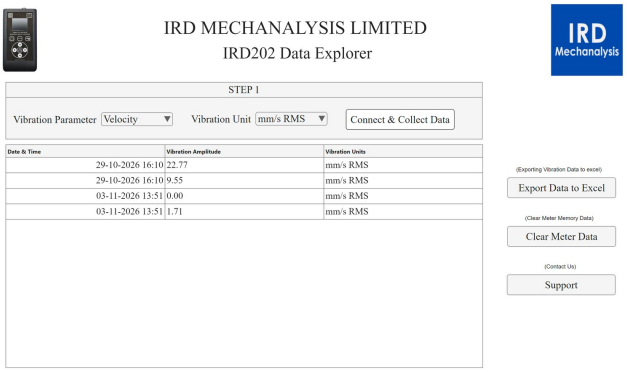


Actual hard-case configuration shown. Laptop is for demonstration and is not included. Case and accessories are supplied as ordered.

The kit

- IRD202 meter with hold and timestamped memory
- IRD521 100 mV/g IEPE accelerometer
- Coiled sensor cable: 0.8 m collapsed / 3 m extended
- 9-inch extension rod and 20 kg pull-strength magnet
- USB-C to USB-C charging/data cable
- Soft or hard carrying case, as ordered

IRD202 Data Explorer



1. Connect the powered-on meter to a Windows PC with a data-capable USB-C cable.
2. Select parameter and units, then Connect & Collect Data.
3. Export to Excel for reports and trend records.

Choose the kit for your workflow.

Measurements, interfaces and support — in one place.

Acceleration	g pk, g RMS, m/s² pk and m/s² RMS
Velocity	mm/s or in/s, RMS or pk; 10 Hz to 1 kHz
Displacement	Approx. 1–2000 µm pk-pk; 10 Hz to 500 Hz
Bearing condition	Spike Energy (gSE)
Sensor input	IRD521 IEPE accelerometer, nominal 100 mV/g
Sensor cable	2-pin sensor end ↔ 3-pin MRS meter end
Memory	Date/time-stamped readings
PC software	IRD202 Data Explorer for Windows; Excel export
Charging / data	USB-C
Battery	4000 mAh rechargeable lithium-polymer
Dimensions	172 × 92 × 39 mm
Warranty	1 year

Peak and peak-to-peak indications are sine-equivalent. Select measurement points, mounting and operating conditions consistently. Contact IRD to confirm application-specific measurement requirements.

Ready for your next inspection?

Request a complete kit or accessories quote.
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MANUAL + HELP

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