

IRD306

Analog Vibration Meter

IRD Mechanalysis® Limited



IRD Mechanalysis model IRD306 is built to last. Rugged, Proven and Improved over the past 50 years, it measures Industrial Machinery Vibration in terms of Displacement (microns) and Velocity (mm/sec), thus, covering most machinery faults. Its circuitry ensures the highest reliability, stability and accuracy. Supplied with a high temperature IRD544 Inductive Velocity Sensor, it can also be used for Balancing Rotors by applying the 'Three Point Balancing Method'.

In the Box :

- ◆ IRD306 Vibration Meter (Part Number M30601)
- ◆ Sensor Inductive Velocity model IRD544, Sensitivity—42.52 mV/mm/sec, top connector (Part Number M45260)
- ◆ 2 Nos. of Cable Assembly for model IRD306/306C to IRD544 Velocity Sensor - 1.2m (4ft), rubber insulated, shielded (Part Number M24820)
- ◆ Magnetic Portable Base, IRD544 Sensor (Part Number M24823)
- ◆ Stinger, Al 225mm long for Sensor (Part Number M24827)
- ◆ Carrying Case for Model IRD306/IRD306C (Part Number M25349)
- ◆ Battery Set, 2 Nos. of 9V, 100 mA Dry Cells (Part Number M30642)
- ◆ Operation Manual (Part Number M43080)

Optional Accessories :

- ◆ Shaft Fish Tail Stick—Absolute Vibration for IRD544 (Part Number M24824)
- ◆ Magnetic Deflecting Shroud for IRD544 (Part Number M24825)
- ◆ Training Manual—IRD Mechanalysis CAT 1 as per ISO 18436-2 (Part Number M51001)

Specifications

Measurement Ranges Available	: 7 Overlapping ranges
Measurement Range Displacement	: 0-3000 microns Peak-Peak
Measurement Range Velocity	: 0-3000 mm/sec Peak
Frequency Range Displacement	: 300-24,000 CPM (5Hz-400Hz)
Frequency Range Velocity	: 300-1,50,000 CPM (5Hz-2,500Hz)
Instrument Accuracy	: 1% of full scale
Input	: Sensor IRD544 or IRD544M
Output	: Analog Moving Coil Meter Display
Battery	: 2 Nos. of 9V, 100 mA Dry Cells
Operating Temperature	: 0°C to 55°C
Storage Temperature	: -18°C to 60°C
Instrument Dimensions	: 184mm (L) X 114mm (W) X 83mm (H)
Carrying Case Dimensions	: 195mm X 185mm X 110mm
Instrument weight with batteries	: 0.8 Kg
Carrying case weight	: 2.4 Kg (including all std. accessories)

