



INGENIERIA ELECTRONICA APLICADA A LAS VIBRACIONES

José María Mestre No. 26, Col. Miguel Hidalgo 1ª Sección, México, D. F. C. P. 14260
 Tel. +52 55 5606 42 17 Móvil: 55 2083 3466
daniel.paredes@ieav.com.mx

www.ieav.com.mx

IRD Mechanalysis® Ltd



PRODUCT DATA SHEET

IRD 306DP – General Machinery Vibration Meter
 (Piezo Velocity)



The IRD Mechanalysis model IRD306DP is a portable digital auto-ranging vibration meter with a clear large LCD display and supplied with a piezo velocity accelerometer model IRD531. It is designed for general machinery vibration measurements for most industrial applications. It is very easy to use; simply select either Displacement (microns) or Velocity (mm/sec) from a central tactile button; the auto-ranging display then changes to the appropriate measurement unit. The ISO 10816-1 machinery vibration assessment guide is printed on the front panel. The IRD306DP complements the Large Machinery Vibration meter model IRD306DI. Both evolved from 45 years of proven signal processing. It can be used for balancing machine rotors applying the 'Three Point Balancing Method'. A spare cable is supplied for 'Keeping you Going'

BILL OF MATERIALS	Qty	Part Number
IRD306DP – General Vibration Meter & Accessories	1	M30605
Piezo Velocity Accelerometer model IRD531	1	M5310045001000
Cable Assembly for model IRD306DP to IRD531 Piezo Velocity sensor- 1.2m, rubber insulated, shielded	2	M24821
Magnetic Portable Base, IRD500 Series Accels	1	M24828
Stinger, Al 225mm long for Sensor	1	M24827
Carrying Case for model IRD306DP	1	M25351
Battery Set, 2 Nos. of 9V, 100mAH Dry Cells	1	M30642
Manual Operating	1	M43085
Optional Accessories		Part Number
Shaft Fish Tail Stick - Absolute Vibration for IRD531		M24824



SPECIFICATIONS

Measurement Display – Auto Ranging

Displacement: - 0 - 2,000 microns Pk-Pk
 Velocity: - 0 - 200 mm/sec RMS

Frequency Range

Displacement: - 300 to 60,000 CPM (5 Hz to 1,000 Hz)
 Velocity: - 300 to 600,000 CPM (5 Hz to 6,000Hz)

Accuracy

Instrument: - 0.5% of full scale ± 1 count

Input / Output

Input: - Piezo Velocity Accelerometer model IRD531
 Output: - LCD Digital Display (3½ Digit)

Power Requirements

- Internal Battery Set 2 Nos. 9V, 100mAH Dry Cells

Environmental

Operating temp: - 0°C to +50°C, Sensor to 140°C.
 Storage temp: - -18°C to +65°C

Weight & Dimensions

Instrument Wt.: - 400 gms (meter only)
 Instrument: - 18mm (L) x 100mm (W) x 40mm (H)
 Carrying Case Wt.: - 2.4 Kg (inc. meter & standard accessories)
 Carrying Case: - 195mm (L) x 185mm (W) x 110mm (H)



IRD® is the Registered Trademark of IRD Mechanalysis® Ltd

IRD Mechanalysis Ltd. strives to continue to improve the above specification and retains the right to change them without notice

condition management solutions