

PRODUCT INFORMATION

MIL306DP Digital Auto-Ranging Vibration Meter (Piezo Velocity Sensor)

Part Number M30605

The Mechanalysis model MIL306DP is a portable digital auto-ranging vibration meter supplied with a piezo velocity accelerometer. It is suitable for most industrial applications with a clear large LCD display. Operatives find it very easy to use by simply selecting either Displacement (microns) or Velocity (mm/sec) from a central tactile button. The auto-ranging display then automatically changes to the appropriate measurement unit. A convenient machinery vibration severity assessment guide is printed on the front panel. The MIL306DP evolved from 40 years of proven signal processing over a wide dynamic range. Supplied with the MIL531 piezo velocity accelerometer, it can also be used for balancing machine rotors applying the 'Three Point Balancing Method'.

Standard Accessories	Qty	Part Number
Piezo Velocity Accelerometer model MIL531	1	M5310045001000
Cable Assembly for model MIL306DP to MIL531 Piezo	2	M24820
Velocity sensor- 1.2m, rubber insulated, shielded		
Straight Probe for model MIL511 / MIL531 sensor	1	M11030
Carrying Case for model MIL306DP	1	M25351
Battery Set, 2 Nos. of 9V, 100mAH Dry Cells	1	M30642
Manual Operating	1	M43085

Optional Accessories	Part Number
Magnetic Holder for MILMIL511/MIL531 Sensor	M43320
Shaft Stick for Sensor	M24750

SPECIFICATIONS

Measurement Display – Auto Ranging

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

Frequency Range

Displacement:	- 300 to 24,000 CPM	(5 Hz to 400 Hz)
Velocity:	- 120 to 360,000 CPM	(2 Hz to 6,000 Hz)

Accuracy

Instrument:	- 0.5% of full scale \pm 1 count
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Input / Output

Input:	- Piezo Velocity Accelerometer model MIL531
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
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)



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

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