

## PRODUCT INFORMATION

### MIL306DI Digital Auto-Ranging Vibration Meter (Inductive Velocity Sensor) Part Number M30604

The Mechanalysis model MIL306DI is a portable digital auto-ranging vibration meter supplied with an inductive velocity sensor. 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 MIL306DI evolved from 40 years of proven signal processing over a wide dynamic range. Supplied with the MIL544 inductive velocity sensor, it can also be used for balancing machine rotors applying the 'Three Point Balancing Method'.

Standard Accessories	Qty	Part Number
Velocity sensor (inductive) model MIL544	1	M45260
Cable Assembly for model MIL306DI to MIL544	2	M24820
Velocity Sensor- 1.2m, rubber insulated, shielded		
Straight Probe for model MIL544 sensor	1	M11030
Carrying Case for model MIL306DI	1	M25351
Battery Set, 2 Nos. of 9V, 100mAH Dry Cells	1	M30642
Manual Operating	1	M43085

Optional Accessories	Part Number
Magnetic Holder for MIL544 Sensor	M43320
Shaft Stick for Sensor	M24750
Magnetic Shield for MIL544 Sensor	M60017

### 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:	- 300 to 150,000 CPM	(5 Hz to 2,500 Hz)

#### Accuracy

Instrument:	- 0.5% of full scale ± 1 count
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#### Input / Output

Input:	- Velocity Inductive Sensor MIL544
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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