



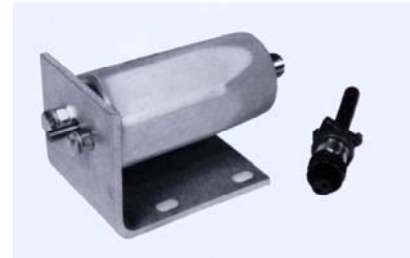
PRODUCT SPECIFICATION

Inductive Velocity Sensor: Rotor Balancing Applications
 Top Connector

Model No:
 MIL546DP

Part Number:
 M11194

The Mechanalysis model MIL546DP is a high-sensitivity velocity sensor for use in displacement type balancing machines. With the prod magnetically attached to the vibrating part and the case rigidly mounted to a fixed reference, voltage output is directly proportional to vibration velocity. The magnetic prod eliminates alignment problems when installing the sensor. Electrical characteristics of the MIL546DP are the same as the proven MIL544 vibration sensor.



| Accessories: | Qty | Part Number |
|-----------------------|-----|-------------|
| Cable connector | 1 | M43660 |
| Magnetic Prod (Spare) | 1 | M10170 |

Specification

Performance

Frequency Response: - 0-2,500Hz \pm 5%
 Dynamic Range: - 3.17mm pk-pk
 Probe travel: - 9.5mm pk-pk
 Sensitivity: - 42.52 \pm 10% mV/mm/sec Pk
 Impedance: - R=2k ohms, L = 0.7 H at 21°C

Mounting

Orientation: - Sensitive axis horizontal
 Grounding: - Case and Signal Ground common
 Connector: - 2-pin equivalent to MS-3102A-10SL-4P
 Sensor Prod - Directly connected by a magnetic prod to machine motion block

Environmental

Operating range: - -40°C to 121°C
 Sealed: - To IEC IP50

Weight & Dimensions

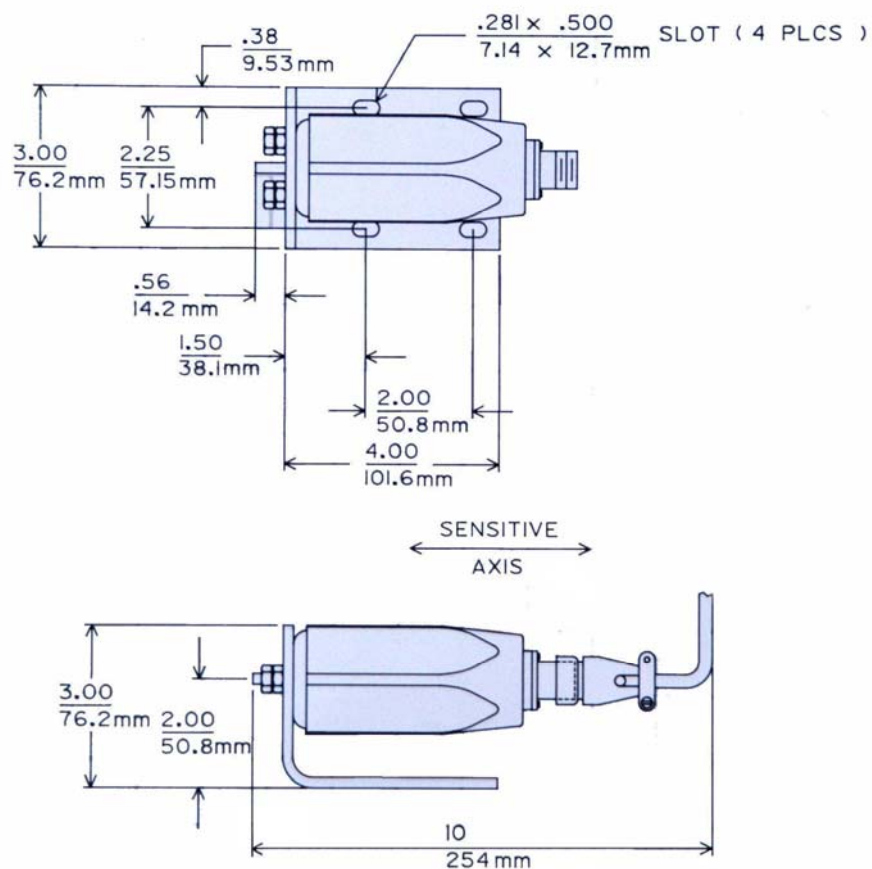
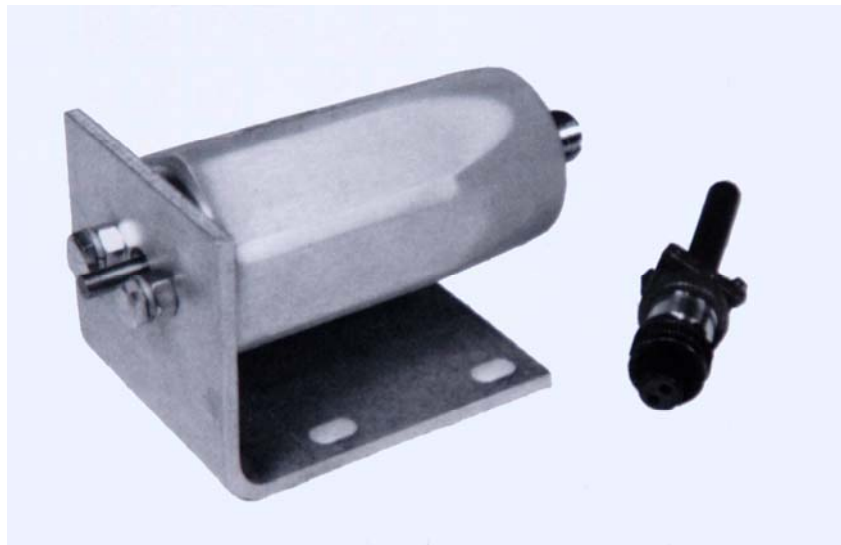
Weight: - 0.907 Kg
 Dimensions: - 63.5mm (W) x 63.5mm (D) x 138mm (L)

Mechanalysis (India) Ltd. continuously improves products; it therefore retains the right to change the above specification without notice

The Vibration People of Mechanalysis (India) Ltd can be contacted at any one of the following Branches

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