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# Monad Electronics

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# Introduction

Monad Electronics is An ISO 9001:2000 certified company, which has over the last 12 years been involved in the business of Exporting, designing & manufacturing, Electronics Industrial products, Testing equipments , sensors and related indicating and controlling devices and allied products related to Data logging & Acquisition.

We are specialized in providing consultancy for itemized engineering Test ring and Projects. We are also interested in taking - up the project development, recommending and mfg. sensing and related components, service providing in installation & commissioning.

We are in this field from last 12 years and also Exporting our products to USA, Germany, Belgium, Turkey, Australia, UAE and African countries. We have good track record of import substitute high end equipment development and supplying to leading industries and government institutes.

We also have a dedicated team for the purpose of inspection of parts produced, thus maintaining the clients requirements. We conduct inspection as per the Industrial and R&D standard at our in house testing and calibrating Facility.



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# Hand-Arm Acceleration Sensor

Our Model MN-3H provides a portable, convenient way to collect and analyze data in accordance with the most current requirements for assessing hand-arm vibration measurement .

It incorporates Tri axial Piezo electric acceleration sensor to measuring all three axes (X, Y &Z) simultaneously.

The system provides the signal filtering, integration, and data storage or wireless transmission necessary to comply with customer requirements.

This instrument is designed to help in the evaluation, monitoring and analysis of problems with regard to these areas



## Features

- \* Measures x, y, z simultaneously
- \* Compact and portable
- \* Complete Datalogger and Wireless data transmitter available
- \* Piezo Electric Accelerations Sensor based
- \* Rugged Construction



# Applications

- \* Hand-arm exposure monitoring
- \* Machine & Tool testing
- \* Product compliance testing
- \* Ergonomic Study
- \* Automobile Testing



## Technical Specification

Output	IEPE (Piezo electric sensor)
Voltage Sensitivity	1000 mV/g
Linear Frequency range	0-4000 Hz
Resonance Frequency	12 KHz
Transverse Sensitivity	<5 %
Noise densities	2 $\mu$ g/ Hz (at 100 Hz)
Output impedance	110 $\Omega$
Operating Temperature range	0- 80 ° C
Humidity	up to 90 % RH, non-condensed

