



College of Agricultural Engineering and Technology

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No. CAET/FMP/AICRP-ESA/Quotation/ 2589/2022

Date:

To,

28 DEC 2022

Subject: Quotation for purchase of Vibration measurement system ...

The office of AICRP on Ergonomics and Safety in Agriculture, College of Agricultural Engineering and Technology, Dapoli is intended to purchase vibration measurement system. You are therefore requested to please send your quotation for vibration measurement system with following specifications in sealed with terms, condition and price so as to reach this office on or before dated 23/01/2023.

Sr. No.	Name of the item and specification	Qty. (nos.)	Rate Rs.																																		
1	Vibration measurement system with accessories Specification: <table border="1"><tr><td>Input types - Standard Sensor</td><td>(1) Input channels accept (2) tri-axial accelerometer</td></tr><tr><td>Hand - Arm Sensor</td><td>Voltage mode tri-axial accelerometer, 10 mV/g sensitivity</td></tr><tr><td>H-A Peak Range</td><td>0.2 m/s² to 7,000 m/s², dependent upon gain setting</td></tr><tr><td>Whole Body Sensor</td><td>Voltage mode tri-axial seat pad accelerometer, 100 mV/g sensitivity</td></tr><tr><td>W-B Peak Range</td><td>0.2 m/s² to 700 m/s², dependent upon gain setting</td></tr><tr><td>Units</td><td>English, Metric</td></tr><tr><td>Vibration Modes</td><td>Acceleration, Velocity, Displacement</td></tr><tr><td>Machine Vibration</td><td>Arms, Amin, Amax, Aeq, Amp, PEAK</td></tr><tr><td>Hand-Arm Vibration</td><td>Arms, Amin, Amax, Aeq, Amp, PEAK</td></tr><tr><td>Whole-Body Vibration</td><td>Arms, Amin, Amax, Aeq, Amp, PEAK</td></tr><tr><td>Frequency analysis</td><td>1/3 octave band centre frequencies: 6.3 Hz to 20 kHz 2.5 kHz to 50 KHz</td></tr><tr><td>Time History</td><td>Interval lengths of 1,2,5,10,20,30 or 60 seconds</td></tr><tr><td>FFT Spectra</td><td>Up to 6400 lines of analysis; Spans from 100 Hz to 20kHz in a traditional 1-2-5 sequence</td></tr><tr><td>Interface</td><td>USB or RS-232 Serial Interface</td></tr><tr><td>Performance requirement</td><td>ISO 8041:2001, 2631 or latest</td></tr><tr><td>Temperature</td><td>Operating temperature: 0 to 50 °C</td></tr><tr><td>Humidity</td><td>Up to 95%</td></tr></table>	Input types - Standard Sensor	(1) Input channels accept (2) tri-axial accelerometer	Hand - Arm Sensor	Voltage mode tri-axial accelerometer, 10 mV/g sensitivity	H-A Peak Range	0.2 m/s ² to 7,000 m/s ² , dependent upon gain setting	Whole Body Sensor	Voltage mode tri-axial seat pad accelerometer, 100 mV/g sensitivity	W-B Peak Range	0.2 m/s ² to 700 m/s ² , dependent upon gain setting	Units	English, Metric	Vibration Modes	Acceleration, Velocity, Displacement	Machine Vibration	Arms, Amin, Amax, Aeq, Amp, PEAK	Hand-Arm Vibration	Arms, Amin, Amax, Aeq, Amp, PEAK	Whole-Body Vibration	Arms, Amin, Amax, Aeq, Amp, PEAK	Frequency analysis	1/3 octave band centre frequencies: 6.3 Hz to 20 kHz 2.5 kHz to 50 KHz	Time History	Interval lengths of 1,2,5,10,20,30 or 60 seconds	FFT Spectra	Up to 6400 lines of analysis; Spans from 100 Hz to 20kHz in a traditional 1-2-5 sequence	Interface	USB or RS-232 Serial Interface	Performance requirement	ISO 8041:2001, 2631 or latest	Temperature	Operating temperature: 0 to 50 °C	Humidity	Up to 95%	01	
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	Accessories	USB data conversion cable, Storage case, Instruction manual, Spare batteries, Data log cable, Calibration certificate, Software, Tool kit, Vibration pad with sensor cable, Hand/arm vibration sensor with block mounting adapter, Secure Device (SD) memory cards.		
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Terms and conditions:

1. Certificate of Govt. Registered manufacturer/Dealers of overseas company/ authorized dealer of manufacturer.
2. GST Number /Certificate and Pan card number.
3. The rates quoted should be FOR Dapoli
4. The rates shall be **inclusive** of all taxes, transport and other charges.
5. Conditional quotation will not be accepted, please be noted.

Please quote the reference number on the envelope.

The quotation must be sent in favor of Associate Dean, College of Agricultural Engineering and Technology, DBSKKV, Dapoli, Dist – Ratnagiri – 415712 so as to reach this office at earliest.

Yours faithfully,


Associate Dean
O/c Associate Dean,
 College of Agricultural Engineering and
 Technology, Dapoli, Dist. Ratnagiri