

**Technical Specification for Vibration Analyzer/Meter**

<b>A</b>	<b>Vibration Analyzer includes</b>	<ol style="list-style-type: none"> <li>1. Carrying Bag</li> <li>2. Instruction manual</li> </ol>
<b>B</b>	<b>Vibration monitoring includes</b>	<ol style="list-style-type: none"> <li>1. Vibration Transducer</li> <li>2. Probe</li> <li>3. Cable</li> <li>4. Magnetic Base</li> <li>5. Holding screw</li> <li>6. 01 No. spare cable</li> </ol>
<b>C</b>	<b>Speed Monitoring includes</b>	<ol style="list-style-type: none"> <li>1. Tachometer probe with cable</li> <li>2. Contact adapter</li> <li>3. Contact centre</li> <li>4. Contact wheel</li> <li>5. Reflecting tape pad</li> <li>6. 01 No. spare cable</li> <li>7. Spare rubber tips</li> </ol>
<b>D</b>	<b>Temperature Monitoring includes</b>	<ol style="list-style-type: none"> <li>1. Temperature probe with cable</li> <li>2. 2 Nos. Temperature probe tips</li> </ol>
<b>1</b>	<b>Shock pulse (SPM dBm/dBc)</b>	
i	Measuring range	-9 to 99 dBsv
ii	Resolution	1dBsv
iii	Accuracy	±1 dBsv
<b>2</b>	<b>Vibration severity (ISO 10816)</b>	
i	Measuring range	0.1 to 49.9 mm/s RMS
ii	Resolution	0.1 mm/s
iii	Accuracy	±(0.1 mm/s+2% of reading)
iv	Frequency range	3 to 1000 Hz
<b>3</b>	<b>Vibration analysis (EVAM)</b>	
i	Window	Hanning
ii	Number of samples	1024/2048
iii	FFT result	400/800 spectrum lines
iv	Frequency range	3 to 5000Hz
v	Lines displayed	15 highest, toggle Hz/cpm
vi	Line saved	1 to 200 Highest

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<b>4</b>	<b>Speed measurement</b>	
i	Measuring range	10 to 19999 rpm optical
ii	Measuring distance	Max. 0.6m
iii	Resolution	1 rpm
iv	Accuracy	± (1rev.+0.1% of reading)
<b>5</b>	<b>Temperature measurement</b>	
i	Measuring range	-20 to +350 <sup>0</sup> C
ii	Resolution	1 <sup>0</sup> C
<b>6</b>	<b>Instrument specification</b>	
i	Temperature range	0 to +50 <sup>0</sup> C
ii	Power supply	Battery operated with 1.5V Cells
iii	Battery life	Power down 1 Year
iv	Instrument size	Portable handheld
v	Weight	Portable handheld
vi	Casing / cover	ABS/ polyurethane
vii	Keypad	Sealed membrane
viii	Display	LCD ,4x16 characters, LED back light
<b>7</b>	<b>Other Features</b>	<ol style="list-style-type: none"> <li>1. Calibrator</li> <li>2. Automatic power off</li> <li>3. Language selection</li> <li>4. Battery test</li> <li>5. Vibration severity, ISO-10816</li> </ol>
<b>Note</b>	Acceptance of meter depends upon its successful calibration/ commissioning at BHEL Jhansi works.	

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