









 Technology  Sensitivity  Dynamic  ± 3 dB Bandwidth  Noise ($\mu\text{g}/\sqrt{\text{Hz}}$)  Use Case  Diagnostics	 <div> <div>Piezo - IEPE</div> <div>Shear</div> <div>Annular</div> </div> <div> <div>10 mV/g ± 800 g</div> <div>100 mV/g ± 80 g</div> <div>1000 mV/g ± 8 g</div> </div> <div> <div>16000</div> <div>0.5</div> </div> <div> <div>14000</div> <div>0.5</div> </div> <div> <div>10000</div> <div>0.2</div> </div> <div> <div>200</div> <div>30</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>30</div> <div>6</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>5</div> <div>1</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>Best signal quality</div> <div>Millions of sensors Installed</div> </div> <div> <div>Unbalance, misalignment, bearing envelop analysis, lubrication issues, rotor bar cracks, cavitation in pumps, gear mesh problems, electrical faults in frequency drive, motor rotor bars faults, fan blades issues, ...</div> </div>	 <div> <div>Piezo - IEPE</div> <div>Shear</div> <div>Annular</div> </div> <div> <div>10 mV/g ± 800 g</div> <div>100 mV/g ± 80 g</div> </div> <div> <div>16000</div> <div>0.5</div> </div> <div> <div>16000</div> <div>0.5</div> </div> <div> <div>120</div> <div>30</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>120</div> <div>30</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>When size & price matters</div> </div> <div> <div>Not available : gear mesh, high speed bearings & blades, electrical faults, ...</div> </div>	 <div> <div>MEMS - IEPE</div> <div>Low cost</div> <div>ADXL 358</div> </div> <div> <div>100 mV/g ± 40 g</div> <div>500 mV/g ± 10 g</div> </div> <div> <div>5000</div> <div>0.1</div> </div> <div> <div>5000</div> <div>0.1</div> </div> <div> <div>50</div> <div>50</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>50</div> <div>50</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>Best price</div> <div>Fit 90% of applications</div> </div> <div> <div>Not available : gear mesh, high speed bearings & blades, electrical faults, ...</div> </div>	 <div> <div>MEMS - IEPE</div> <div>Premium</div> <div>ADXL 1001, 1002, 1003, 1004,</div> </div> <div> <div>10 mV/g ± 500 g</div> <div>100 mV/g ± 100 g</div> <div>1000 mV/g ± 10 g</div> </div> <div> <div>20000</div> <div>0.1</div> </div> <div> <div>15000</div> <div>0.1</div> </div> <div> <div>10000</div> <div>0.1</div> </div> <div> <div>150</div> <div>150</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>50</div> <div>50</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>50</div> <div>50</div> <div>1 Hz</div> <div>10 Hz</div> </div> <div> <div>Premium, all rounder, fit all applications</div> <div>Instant Bias / TEDS / Stability</div> </div> <div> <div>All diagnostics are possible</div> </div>
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