

LVEP ultra low power embedded accelerometers



Solves these common problems:

- Traditional sensors consume too much power for wireless and battery applications
- Custom systems and applications cannot easily integrate industrial sensors
- Integrators who only need a sensing element do not want to pay for fully packaged sensors



Features	Benefits	Value
180 μ W power consumption - 60 μ A very low current draw - Operates down to 3 VDC	Ultra-low power consumption	Extends battery life in wireless, energy efficient, and energy harvesting applications
Fast BOV settling time, <10 ms		Take more measurements using less battery
Low noise, 700 μ g Wide frequency band to 11 kHz	Matches high performance of a industrial accelerometer	Capable of measurements required for condition base maintenance
T05 standard transistor packaging for easy integration	Easy integration	Common form factor for embedded designs
Hermetically sealed		Protected from contamination
Small, lightweight		Easy-to-fit in final design
Pellet unpackaged in rugged housing	Smaller, less expensive	Affordable for high-volume integrated applications



Typical users

- Design engineers
- Sensor designers
- Quality control



Embeddable technologies

- Wireless sensor manufacturers
- Battery-powered, energy efficient, and energy harvesting applications
- OEMs that embed sensors for machinery self-diagnostics



Monitoring applications

- Condition based maintenance
- Bearing fault detection
- High-speed gearboxes
- Machine tool
- Industrial machinery, pumps, motors, fans, compressors

