

DELTA V

Vibration sensor



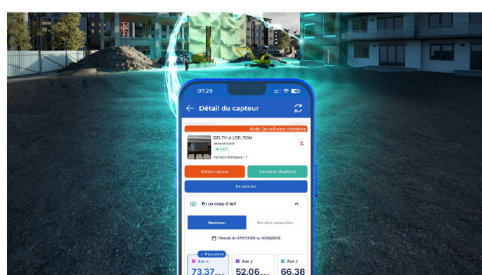
Product description

The DELTA V sensor **enables precise, autonomous monitoring of structural vibrations and tilt.**

Circular 86, IN 1226, BS 7385, SN 640 312a (VSS 40 312), and DIN 4150-3 are built in, with real-time alerts when thresholds are exceeded.



- ✓ Remote
- ✓ Continuous
- ✓ Wireless
- ✓ Battery life 1 to 3 years*



NEED INFORMATION?

contact@feelbat.fr

Technical specifications

MAIN FEATURES

Measurement types	Acceleration, peak particle velocity (PPV), frequency analysis, angle calculation, temperature measurement
Dimensions	130 x 90 x 60 mm
Battery life	From 1 to 3 years* - 3.6V battery 13Ah <i>*Depending on frequency, measurement mode and 4G network status</i>
Communication	LTE-M or Bluetooth (soon NB-IoT)

ACCURACY AND PERFORMANCE

Sampling frequency	500 Hz to 4 kHz <i>*optimisation à 4 kHz d'ici fin 2026</i>
Bandwidth	1 to 150 Hz
Acceleration resolution	1 µg
X, Y angle resolution	0.01°
PPV resolution	0,01 mm/s

MEASUREMENT CAPABILITIES

PPV (Peak Particle Velocity)	0 to 100 mm/s
Frequency analysis	1024-point FFT
Tilt	Periodic measurement of X and Y angles
Vibration density	Compaction metric for vibration events** <i>**Vibration density indicator in % Low value: the measured vibration comes from a short or isolated impact. Higher value: the vibration was present for longer, with several impacts or continuous vibration.</i>

MEMORY AND STORAGE

Internal memory	1,000,000 simple measurements, 5,000 full acquisitions
Auto backup	Memory recording + LTE transmission

OPERATING CONDITIONS

Operating temperature	-30 °C to +75 °C
Protection	IP65
Mounting	Screw mounting, horizontal or vertical