

DL-SE-305 Technical Specification

Low-Frequency Vibration Sensor

Low-frequency vibration sensor for acceleration, velocity, and displacement measurement, supporting selectable measurement ranges, 0.17 to 100 Hz low-frequency response depending on range, passive signal output, and structural microtremor or weak-vibration measurement.

System Category	DL-SE
Signal Type	Low-frequency vibration
Measurement Range	Acceleration, velocity, and displacement ranges
Sampling / Response	0.17 to 100 Hz response depending on range
Communication	Passive signal output
Protection / Enclosure	Project-specific sensor protection
Power Supply	Passive sensor
Installation	Sensor base installation

Key Features

- Selectable ranges support acceleration, velocity, and displacement observation.
- Low-frequency response supports ground motion, structural microtremor, and weak-vibration measurement.
- Passive output simplifies connection to compatible dynamic acquisition systems.
- Compact sensor body supports field and laboratory vibration measurement.

Typical Use Cases

- Ground motion, industrial vibration, and structural microtremor measurement.
- High-flexibility structures where low-frequency response is important.

Deployment Notes

- Select the measurement range before installation according to expected amplitude and frequency.
- Confirm compatible signal conditioning and acquisition input impedance.
- Use stable mounting to avoid installation-induced low-frequency error.

Technical Highlights and Standards

- Acceleration / velocity / displacement output
- 0.17 to 100 Hz response
- Selectable measurement ranges
- Passive output

- Compact vibration sensor
- Low-frequency structural measurement

Branding, supplier names, phone numbers, email addresses, physical addresses, logos, customer lists, prices, and original supplier model identifiers have been intentionally excluded from this public specification.