



## For affordable seismic measurements earthquake early warning and structural health monitoring

Looking for a sensor that offers top-notch accuracy and reliability in measurements? Look no further than the QL-VIBRA MEMS Accelerometer! This exceptional lab-grade sensor is specially designed to provide precision readings, and it comes in three different versions (uni-, bi-, and tri-axial) to suit your specific needs. Equipped with a full-scale range of  $\pm 3g$ , it captures a wide range of vibration data and features an IP67 enclosure for durability. Its rugged design makes it suitable for seismic measurements, earthquake early warning, and structural health monitoring. Plus, its 5-meter cable allows for easy installation and flexible placement in different applications, including shake table experiments. If you want high-quality sensing equipment that offers accuracy, reliability, and flexibility, then the QL-VIBRA MEMS Accelerometer is the perfect choice. Don't settle for anything less – get your hands on the QL-VIBRA today!

### KEY FEATURES

HIGH ACCURACY AND RELIABILITY

LOW NOISE

FULL-SCALE RANGE:  $\pm 3g$

ANALOG OUTPUT

IP67 ENCLOSURE FOR DURABILITY AND LONGEVITY

WIDE FREQUENCY RANGE

COMPACT DESIGN

EASY TO INSTALL AND USE

5 METER CABLE FOR EASY INSTALLATION AND FLEXIBILITY



**OUTPUT TYPE** Analog  
**TYPOLOGY** Traxial, Biaxial and Monoaxial  
**TECHNOLOGY** MEMS  
**FULL-SCALE RANGE** ±3g  
**SENSITIVITY** 330 mV/g  
**NOISE IN BAND** 150 µg/√Hz rms (horizontal dir.) | 300 µg/√Hz rms (vertical dir.)  
**NON-LINEARITY** % FS 0.3

PERFORMANCE

**CONNECTORS** Custom connectors available for different digitizers  
**ACCELERATION OUTPUT** 0 to 3 V

INTERFACE

**POWER SUPPLY** 5 VDC

**POWER CONSUMPTION** 350 µA (typical)

**STORAGE TEMPERATURE RANGE** -20 to +85 °C

**HUMIDITY** 0 to 100%

**OPERATING TEMPERATURE RANGE** -40 to +85 °C

**WEATHER RESISTANCE** Rated to IP67, IP68 opt

**HOUSING** Hard plastic

**LEVELING** Integrated bubble level

**HEIGHT** 35 mm

**WIDTH** 58 mm

**LENGHT** 63 mm

**WEIGHT** 100 g



## Contact Us Today

Discover how effortless it is to incorporate the QL-VIBRA sensor solution into your datalogger and experimental setup. We offer a hassle-free integration process that ensures seamless operation and accurate data capture.

To learn more about how our solution can benefit your testing and measurement needs, please don't hesitate to contact us at [sales@quakellogic.net](mailto:sales@quakellogic.net). Our team is ready to answer any questions you may have and help you place an order.

We take pride in providing the best solutions and support to our customers, and we look forward to the opportunity to work with you. Get in touch today and experience the QL-VIBRA difference!