



ACCURATE & EASY TO USE

Discover a wide selections of our
sound measurement equipments according to your
sound measurement needs

PLV 1010 02C

SINGLE AXIS
ACCELEROMETERS

www.placidinstruments.com



PLACID INSTRUMENTS BV

Newtonlaan 115 Office No. 2.21 3584 BH UTRECHT, THE NETHERLANDS

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PLACID

Accelerometers

PLV-1010 02C

SINGLE AXIS
SIDE-EXIT CONNECTOR



Specification

Measuring Range

0.5 - 11000 Hz

Maximum Acceleration

+/- 500 g

Sensitivity

10 mV/g

The PLACID PQV 1010 02C is a multi-purpose IEPE accelerometer.



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Specification

Basics

The PLACID PQV 1010 02C is a multi-purpose IEPE accelerometer.

Connectivity

The PLACID PLV 1010 02C is an IEPE powered accelerometer. As the output impedance of our IEPE accelerometers is < than 100 Ohm, no special low-noise cable are required.

Uses

The PLACID PLV 1010 02C is used for all forthcoming vibration measurements where only a single-axis signal is required

Individual calibration

All PLACID accelerometers are being calibrated in a controlled laboratory environment using traceable calibration equipment complying with ISO17025 standards.

We recommend that all PLACID accelerometers are re-calibrated every year to guarantee an optimized usage.

PLACID Traceable Calibration is performed by our qualified staff and under controlled conditions according to the procedures and standards such as ISO17025.

Quality

All PLACID accelerometers are made of high-quality materials that will ensure long stability and durability, even in harsh condition.

PLACID offers 2 years warranty against defective materials and workmanship.

All our accelerometers are made from Stainless steel.



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Datasheet PLACID PLV 1010 02C Accelerometer



General Characteristic

Measurement Range(g)		0.5 to 11000 Hz
Measuring Axis(single/triaxial)		Single
Voltage Sensitivity(±5%)		10 mv/g
Maximum Acceleration		±500 g
Shock (OverloadLimit)		5000 g pk
Frequencyresponse	±5%	10000 Hz
	±10%	11000 Hz
Amplitude Response	±5%	10000 Hz
	±10%	11000 Hz
Resonance Frequency		≥59 kHz
Non-Linearity		1%
Temperature Range		-50 to +120°C
Transverse Sensitivity		≤5%
Output Impedance		≤100 Ω
Output Bias Voltage		8-12 VDC
Grounding		Cable shielding layer
Sensing elements		Piezoelectric ceramics
Sensing Geometry		11 mm x 8.5 mm x 5.1 mm (shear)



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Power Requirement

Excitation Voltage(V)	Typical 24 VDC
Constant CurrentExcitation	Typical 4 mA
Supply Voltage(Unloaded)	20 – 30 VDC
Constant CurrentSupply	2 – 20 mA

Physical Characteristics

HousingMaterial	Titanium Alloy
Sealing	Laser Welding IP68
Weight	1 gram
Electrical Connector	Removal cable M3 to 10 – 32 cable
Electrical ConnectionPosition	Side