



ACCURATE & EASY TO USE

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

PLV 3010 02Y1

TRI-AXIAL
ACCELEROMETERS

www.placidinstruments.com



PLACID INSTRUMENTS BV

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

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email info@placidinstruments.com

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PLACID

Accelerometers

PLV-3010 02Y1

TRI-AXIAL
SIDE-EXIT CONNECTOR



Specification

Measuring Range

0.5 - 10000 Hz

The PLACID PQV 3010 02Y1 is a multi-purpose IEPE accelerometer.

Maximum Acceleration

+/- 500 g

Sensitivity

10 mV/g



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Specification

Basics

The PLACID PQV 3010 02Y1 is a multi-purpose IEPE accelerometer.

Connectivity

The PLACID PLV 3010 02Y1 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 3010 02Y1 is used for all forthcoming vibration measurements where a triaxial 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 3010 02Y1 ACCELEROMETER



GENERAL CHARACTERISTIC

Measurement Range(g)	0.5---10000Hz
Measuring Axis(single/triaxial)	Triaxial
Voltage Sensitivity(±5%)	10 mv/g
Maximum Acceleration	±500 g
Shock (OverloadLimit)	5000 g pk
Frequencyresponse	±5% 8000 Hz
	±10% 10000 Hz
Amplitude Response	±5% 8000 Hz
	±10% 10000 Hz
Resonance Frequency	≥70 kHz
Non-Linearity	1%
Temperature Range	-40 to +120°C
Transverse Sensitivity	≤5%
Output Impedance	≤100 Ω
Output Bias Voltage	8-12 VDC
Grounding	Cable shieldinglayer
Sensing elements	Piezoelectric ceramics
Sensing Geometry	11mm x 11mm x 11mm



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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	Crimping
Weight	4.8 gram
Electrical Connector	1/4-28 4-Pin
Electrical ConnectionPosition	Side