



# ACCURATE & EASY TO USE

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

SINGLE AXIS ACCELEROMETERS  
PQV 1500 S

[www.placidinstruments.com](http://www.placidinstruments.com)



PLACID INSTRUMENTS BV

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

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

# PLACID

## Accelerometers

### PQV-1500S

SINGLE AXIS  
TOP-EXIT CONNECTOR



#### Specification

Frequency Range

0.5 - 10000 Hz

Measurement Range

+/- 500 g

Sensitivity

10 mV/g

The PLACID PQV 1500S is a multi-purpose IEPE accelerometer.



**PLACID INSTRUMENTS BV**

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

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

## Specification

### Basics

The PLACID PQV 1500S is a multi-purpose IEPE accelerometer.

### Connectivity

The PLACID PQV 1500S is an IEPE powered accelerometer. As the output impedance of our IEPE accelerometers is between 100-300 Ohm, no special low-noise cable are required.

### Uses

The PLACID PQV 1500S is used for all forthcoming vibration measurements where only a 1-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.



**PLACID INSTRUMENTS BV**

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

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

## DATASHEET PLACID PQV 1500S ACCELEROMETER



### Performance

Measurement Range (g)	+/- 500
Frequency range (Hz)	0.5 – 10000 Hz
Sensitivity	10 mV/g
Resonant Frequency	35 kHz
Maximum lateral sensitivity ratio	≤ 5% F.S

### Environmental

Temperature range (Celsius)	-40 - +120
-----------------------------	------------

### Electrical

Excitation Voltage (V)	12 to 30 VDC (Typical value : 24 VDC)
Constant current excitation	2 to 20 mA (Typical Value: 4 mA)
Output bias voltage	8 to 12 VDC
Output Impedance	≤ 150 Ω

### Physical

Mounting thread	M5
Electrical connector	M5
Electrical connection Position	Side
Weight	22g
Sealing	Glue seal
Mounting Base	Magnet Base
Size	hex 14 mm, height 22 mm



**PLACID INSTRUMENTS BV**

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

Phone Landline: +31 302106021

Worldwide (except Europe): +31 613915102

Europe: +31 622813335

[info@placidinstruments.com](mailto:info@placidinstruments.com)

[www.placidinstruments.com](http://www.placidinstruments.com)

# PLACID Accelerometers

## Specification

Models / Unit	Type	Sensitivity (mV/g)	Measurement Range (g)	Transverse Sensitivity	Frequency Range (Hz)	Temperature Range (C)	Excitation Voltage (V)	Housing Material	Cable Type
PQV1050	Single	100	+/- 50	≤5%	0.5 - 12000	-40 - +120	+12 - +24 (IEPE)	Stainless Steel	TNC
PQV1050-4		40	+/- 50	≤5%	0.5 - 12000	-40 - +120		Stainless Steel	TNC
PQV1500S		10	+/- 500	≤5%	0.5 - 10000	-40 - +120	+12 - +30 (IEPE)	Stainless Steel	M5
PQV1500T	10	+/- 500	≤5%	0.5 - 10000	-40 - +120	Stainless Steel		M5	
PQV3010	Triaxial	500	+/- 10	≤5%	0.5 - 5000	-40 - +125	+12 - +24 (IEPE)	Stainless Steel	M5
PQV3050		100	+/- 50	≤5%	0.5 - 7000	-40 - +125		Stainless Steel	M5
PQV3500		10	+/- 500	≤5%	0.5 - 10000	-40 - +125	Stainless Steel	M5	

PLACID is able to customize different products, will quote and provide delivery date according to customer demand