



# ACCURATE & EASY TO USE

Discover a wide selections of our  
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sound measurement needs

**PQV10DAB**

IEPE-TYPE SINGLE-AXIS  
PIEZOELECTRIC  
ACCELEROMETER

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



**PLACID INSTRUMENTS BV**

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## PLACID ACCELEROMETERS

# PQV10DAB



## FEATURES



- Suitable for vibration monitoring of industrial equipment
- Suitable for general vibration monitoring



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## DATASHEET PLACID PQV10DAB ACCELEROMETER



### PERFORMANCE

|                                  |                |
|----------------------------------|----------------|
| Sensitivity( $\pm 10\%$ )        | 100 mV/g       |
| Measurement Range                | $\pm 50$ g     |
| Frequency Response( $\pm 10\%$ ) | 0.5 ~ 10000 Hz |
| Resonant Frequency               | 30 kHz         |
| Non-Linearity                    | $\leq 1\%$     |
| Transverse Sensitivity           | $\leq 5\%$     |

### ENVIRONMENTAL

|               |               |
|---------------|---------------|
| Maximum Shock | 1000 g pk     |
| Work Temp     | -40 ~ +120 °C |

### ELECTRICAL

|                             |                 |
|-----------------------------|-----------------|
| Excitation Voltage          | 18 ~ 30 VDC     |
| Constant Current Excitation | IEPE(2 ~ 10 mA) |
| Output Bias Voltage         | 8 ~ 12 VDC      |
| Output Impedance            | $< 150 \Omega$  |

### PHYSICAL

|                      |                       |
|----------------------|-----------------------|
| Sensing Element      | Piezoelectric Ceramic |
| Sensing Geometry     | Isolated Shear        |
| Housing Material     | Stainless Steel       |
| Dimension            | 14 mm x 27.8 mm       |
| Electrical Connector | M5 Top Output         |
| Mounting Method      | M5                    |
| Weight               | 18 g                  |



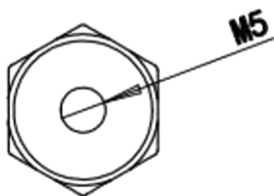
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Technical drawing of a mechanical part. The drawing shows a cross-section of a component with a central vertical axis. The top part is a cylindrical section with a diameter of 14.00 mm. Below this is a section with a diameter of 20.00 mm. The total height of the component is 27.80 mm. The top section has a height of 20.00 mm. The bottom section has a height of 7.80 mm. The top section is labeled M5. The dimensions are given in mm.





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