

## Integrated Chip Accelerometer

### Features:

- IC Inside
- Normal Cable
- Simple Measure System

### Model AI185BNC

### Specifications:

#### Dynamic Characteristics

Axes Sensitivity (20±5 deg C)	~50 mV/g
Measurement Range	100 g
Max Transverse Sensitivity	≤ 5 %
Frequency Response (10%)	1 - 4000 Hz
Resonance Frequency	15,000 Hz
Temperature Response	See temperature curve
Polarity	Positive

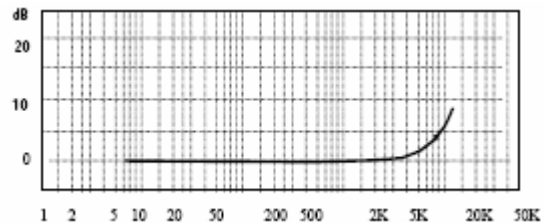
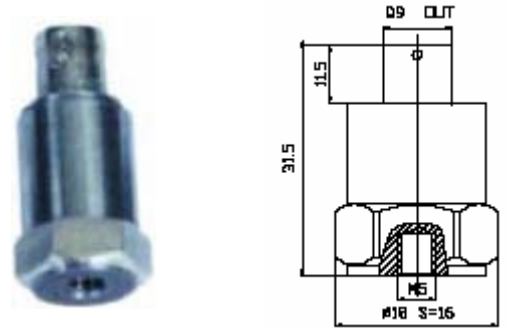
#### Electrical Specifications

Voltage Supply	+12~+28V <sub>DC</sub>
Current	+2 ~ +10 mA
Max Signal Output	≤ 5V <sub>P</sub>
Output Impedance	< 100 Ω
Bias Voltage	7 +/- 1 V <sub>DC</sub>
Noise (1~20KHz)	< 2mg

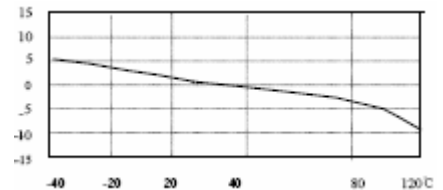
#### Environmental/Physical Characteristics

Temperature Range	-20 to +120 ° C
Shock Limit	500g
Temperature Sensitivity	0.1g/°C (0.3Hz)
Case Strain Sensitivity	0.6 mg/μ ε
Magnetic Field Sensitivity	2g/T
Weight	90g
Case Material	Stainless Steel
Mounting	M5 Screw
Piezo Material	PZT-5
Structure	Cut Mode
Output Connection	BNC

Included Accessories	Calibration sheet Tie-in
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Frequency Response Curve



Temperature Curve