

**AB330133 Radial Vibration Signal Conditioners
AB330134 Position/Trust Signal Conditioners**

Operating Humidity Range:

95% non-condensing, external environmental protection is required.

Application:

AB330133/4 series are widely used in the condition monitoring and failure analysis of the shell vibration of mechanical devices, such as: petrochemical pipeline, centrifuge, steam turbine, blowing engine, generator, motor, air compressor, engine, pumps, gear boxes, industrial fans and other critical machineries. AB330133 series are explosion proof.

Features:

- Small Design
- Probe driver power provided: -24VDC
- EMC electromagnetic compatibility
- High sensitivity and accuracy
- 4-20mA output
- Optional DIN-rail mounting
- Compatible to 5/8/11mm proximity probes by most major manufacturers

Specifications

Electrical

Power Supply Voltage:

18 to 30VDC, 60mA;

90 to 265 VAC; 50/60Hz, 50mA.

Power Supply for Sensor: -24V, 30mA.

Output:

4-20mA, Maximum Signal Transmission

Distance: 1000m,

Maximum Load Resistance: 750 Ω;

Sensor Malfunction: Output current driven below 3mA, sensor breaks off; Green "OK" light off.

Frequency Response: AB330133: 2-10KHz

Testing Material: AISI4140

ESD Protect: Connectors provide ESD protection.

Linear Range:

-1 to 1mm (5/8mm probe);

-2 to 2mm (11mm probe);

Signal Output Connection:

Used with 5/8mm probes, sensitivity is 8mV/um;

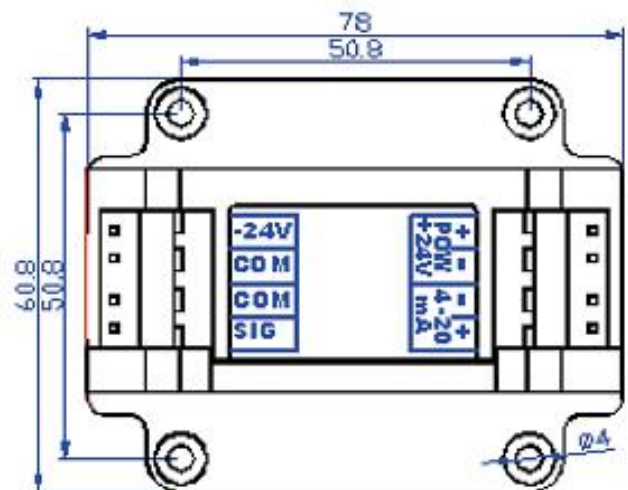
Used with 11mm probes, sensitivity is 4mV/um;

Environmental

Temperature Limits: -40°C to +85°C;

Storage Temperature Range:

-51°C to +100°C;



How to Select

MODEL AB330133-AXX-BX

Standard: AB330133-03-1

A: Range Code (PK-PK)

- 01: 0-75um
- 02: 0-100um
- 03: 0-125um
- 04: 0-200um
- 05: 0-250um
- 06: 0-500um
- 07: 0-800um
- 08: 0-1000um

B: Mounting Style:

- 0: Baseplate
- 1: 35mm DIN-rail

NOTES:

When using this model, proximity sensors or compatible products must be selected; driver needed.

How to Select

MODEL AB330134-AX-BX

Standard: AB330134-1-1

A: Range Code (mm)

- 0: (-1) - 0 - (+1)
- 1: (-0.75) - 0 - (+0.75)
- 2: (-2) - 0 - (+2)

B: Mounting Style:

- 0: Baseplate
- 1: 35mm DIN-rail

NOTES:

When using this model, proximity sensors or compatible

products must be selected; driver needed.

