

## AB33 Series 11mm Proximity Products

### Application:

AB33 Series 11mm Proximity Products is 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.

### System configuration:

11mm proximity probe AB3311XX;

Cable: AB331130

Driver: AB331180

### Features:

- Reliable and durable
- High sensitivity and accuracy
- Comply with API670 Specifications, hazardous area rating options
- Transmitters are resistant to high and low extreme temperatures, can be used in various mediums such as water and oil

### Specifications

#### Electrical

Power Supply Voltage: -22v to -30v, current < 8mA;

Frequency Response: 0-8KHz

Testing Material: AISI4140

#### Linear Range:

0.5 to 4.5mm (11mm probe);

Subject object minimum area: 11mm:30.5mm<sup>2</sup>

#### Environmental

Output Signal Sensitivity: 3.94mv/um (100mv/mil).

Voltage signal transmittance distance: 300-500m

Output Impedance: 50

Temperature Limits: probe,cable: -51°C to +177°C;

Driver: -51°C to +100°C;

Operating Humidity Range:

100% non-condensing, external environmental protection is required.

Agent Approval: Ex ia IIC T4

#### Physical (Driver)

Dimensions(mm):

35mm DIN Rail-Mounting: 90 (Length) x 38 (wide) x 86 (height)

Baseplate mounting: 78 (Length) x 60 (wide) x 80 (height)

Weight: 280g;

Enclosure: Aluminum casting

Installation: 35mm DIN rail or baseplate mounting:

