

AB33 Series 5/8mm Proximity Products

Application:

AB33 Series Proximity Products 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:

5/8mm proximity probe AB3305XX/AB3308XX;

Cable: AB330120

Driver: AB330180

Features:

- High sensitivity and accuracy
- Reliable and durable
- 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

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

Frequency Response: 0-10KHz

Testing Material: AISI4140

Linear Range:

0.25 to 1.75mm (5mm probe);

0.25 to 2.25mm (8mm probe);

Subject object minimum area: 5mm:9mm²

8mm: 15mm²

Environmental

Output Signal Sensitivity: 7.87mv/um (200mv/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 IICT4

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:

