YB (YEKAN Replacement BENTLY NEVADA) 3300XL 8mm Series Proximity System

Datasheet

Rev. V1.1



Description

YB is the production series of proximity system equipment of Yekan company. YB cables, probes, and transducers are designed as direct, compatible replacements for Bently Nevada proximity systems.

YB probes, extension cables, and transducers support proximity system series:

- Bently Nevada 3000 & 7000 Series
- Bently Nevada 7200 Series
- Bently Nevada 3300 Series
  - 3300 5mm Series
- Bently Nevada 3300XL Series
  - 3300XL 8mm Series
  - 3300XL 11mm Series
  - 3300XL NSV Series

In this datasheet, we will specifically submit the replacement options for the Bently Nevada 3300XL 8mm Series.

YB For 3300XL 8mm series Proximity System

Ordering Information

3300XL 8mm Standard Proximity Probe **YB/330AAA-BB-CC-DD-EE-00**

Model No. 330AAA	Threads	Unthreaded Length BB	Overall Case Length CC	Total Length DD	Connector Option EE	Armor
YB/330101	3/8''-24	Order in increments of 0.1 in. Length configurations: Maximum unthreaded length: 8.8 in. Minimum unthreaded length: 0.0 in. Example: 0 4 = 0.4 in.	Order in increments of 0.1 in. Standard thread configurations: Maximum case length: 9.6 in. Minimum case length: 0.8 in. Example: 2 4 = 2.4 in.	05=0.5 meter 10=1.0 meter 15=1.5 meter 20=2.0 meter 30=3.0 meter 50=5.0 meter 90=9.0 meter	Miniature coaxial ClickLoc connector 01: with connector protector, standard cable 02: standard cable	NO
YB/330102						YES
YB/330103	M10*1	Order in increments of 10 mm Length configurations: Maximum unthreaded length: 230 mm Minimum unthreaded length: 0 mm Example: 0 6 = 60 mm	Order in increments of 10 mm Metric thread configurations: Maximum case length: 250 mm Minimum case length: 20 mm Example: 0 6 = 60 mm		11: with connector protector, FluidLoc cable 12: standard cable	NO
YB/330104						YES
*YB/330105	3/8''-24	0 2 = 0.2 in.	1 2 = 1.2 in.		Miniature coaxial ClickLoc connector 02: standard cable 12: standard cable	NO
*YB/330106	M10*1	0 5 = 5 mm	3 0 = 30 mm			

*3300XL 8mm Reverse Mount Proximity Probe **YB/330105-02-12-DD-EE-00 / YB/330106-05-30-DD-EE-00**

YB For 3300XL 5/8mm series Proximity System

3300XL 5/8mm Standard Extension Cable **YB/330130-AAA-BB-00**

Cable length **AAA**
030= 3.0 m
035= 3.5 m
040= 4.0 m
045= 4.5 m
060= 6.0 m
070= 7.0 m
075= 7.5 m
080= 8.0 m
085= 8.5 m
Connector Protector and Cable **BB**
00 = Standard cable
01 = Armored cable
02 = Standard cable with connector protector
03 = Armored cable with connector protector
10 = Standard cable
11 = Armored FluidLoc cable
12 = Standard cable with connector protector
13 = Armored Standard cable with connector protector

3300XL 5/8mm Proximitor/Transducer **YB/330180-AA-00**

System Length and Mounting Option **AA**
10 = 1.0 meter / panel mount
11 = 1.0 meter / DIN mount
12 = 1.0 meter / no mounting hardware
50 = 5.0 meters / panel mount
51 = 5.0 meters / DIN mount
52 = 5.0 meters / no mounting hardware
90 = 9.0 meters / panel mount
91 = 9.0 meters / DIN mount
92 = 9.0 meters / no mounting hardware

Specifications

YB 3300XL 5/8mm series Proximity System

Incremental Scale Factor (ISF)

Standard 5 or 1 meter System	7.87 V/mm (200 mV/mil) ± 5% including interchangeability error when measured in increments of 0.25 mm (10 mils) over the 80 mil linear range from 0°C to +45°C (+32°F to +113°F).
Standard 9 meter System	7.87 V/mm (200 mV/mil) ± 6.5% including interchangeability error when measured in increments of 0.25 mm (10 mils) over the 80 mil linear range from 0°C to +45°C (+32°F to +113°F).

Shaft Diameter

Minimum	50.8 mm (2 in)
Recommended Minimum	76.2 mm (3 in)

Mechanical

Probe Tip Material	Polyether ether ketone (PEEK)
Probe Case Material	AISI 304 stainless steel (SST)
Connector Material	Gold-plated brass or goldplated beryllium copper

Probe Temperature Range

Standard Probe	-52°C to +177°C (-62°F to +350°F)

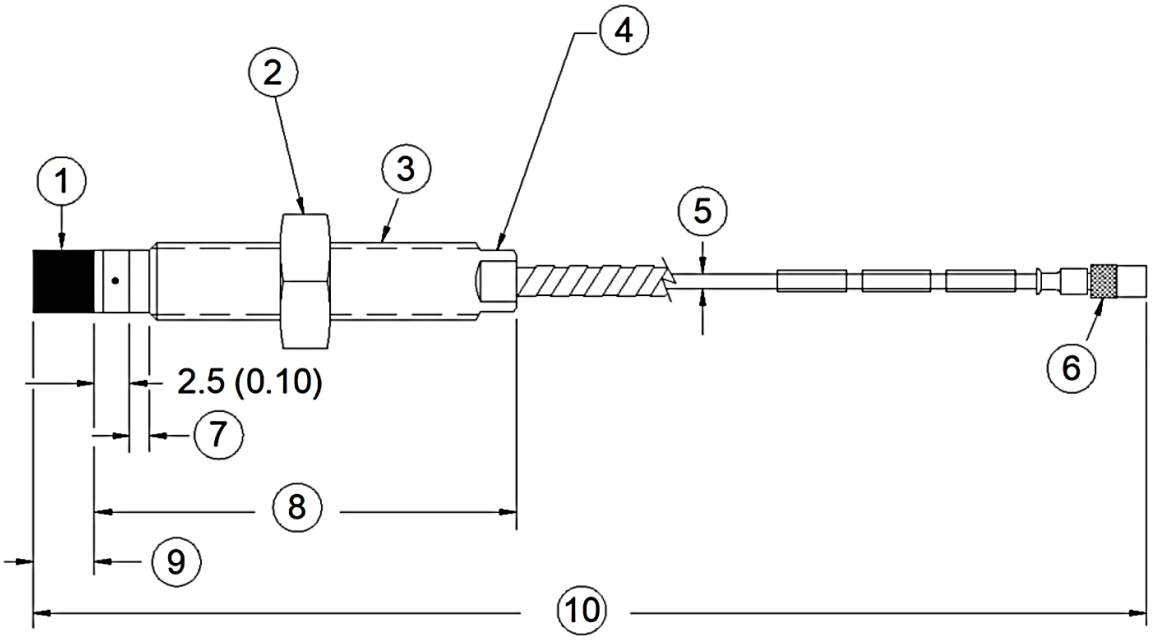
Extension Cable Temperature Range

Standard Cable	-52°C to +177°C (-62°F to +350°F)

Proximitor Sensor Temperature Range

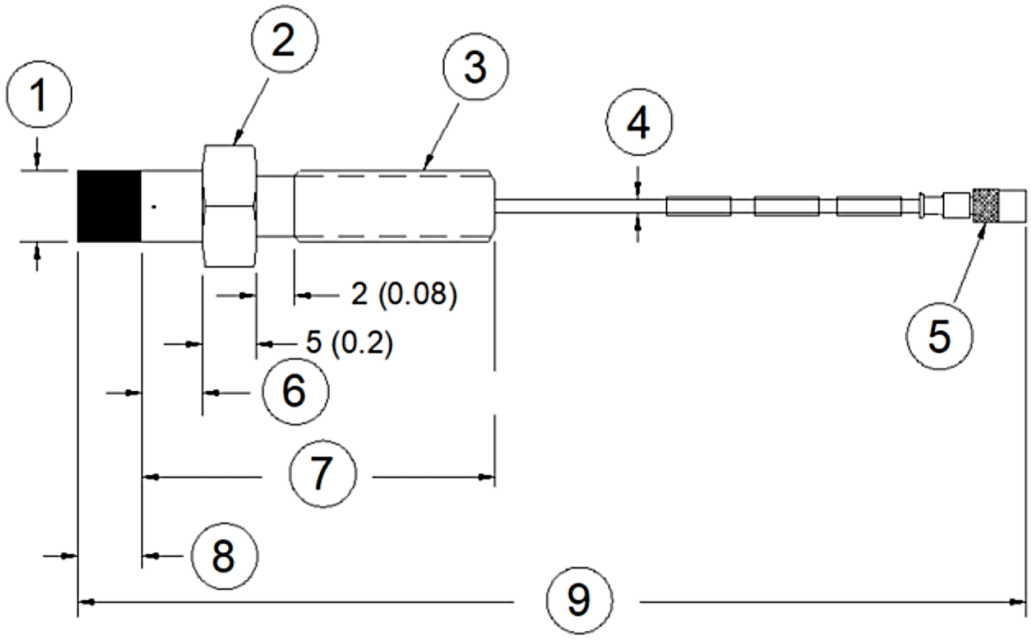
Operating Temperature	-52°C to +100°C (-62°F to +212°F)
Storage Temperature	-52°C to +105°C (-62°F to +221°F)

Figures



1. Probe Tip
2. Hex Nut
3. Case thread
4. Wrench Flats
5. Cable
6. Miniature male coaxial connector
7. Unthreaded length
8. Case length
9. 6.0 mm (0.235 in) maximum
10. Total length

Figure 1. YB 3300XL 8mm Standard Probe



1. Probe Tip 8.0 mm (0.31 in) diameter
2. Hex Nut
3. Case thread
4. Cable
5. Miniature male coaxial connector
6. Unthreaded length
7. Case length
8. 6.0 mm (0.235 in) maximum
9. Total length

Figure 2. YB 3300XL 8mm Reverse Mount Probe

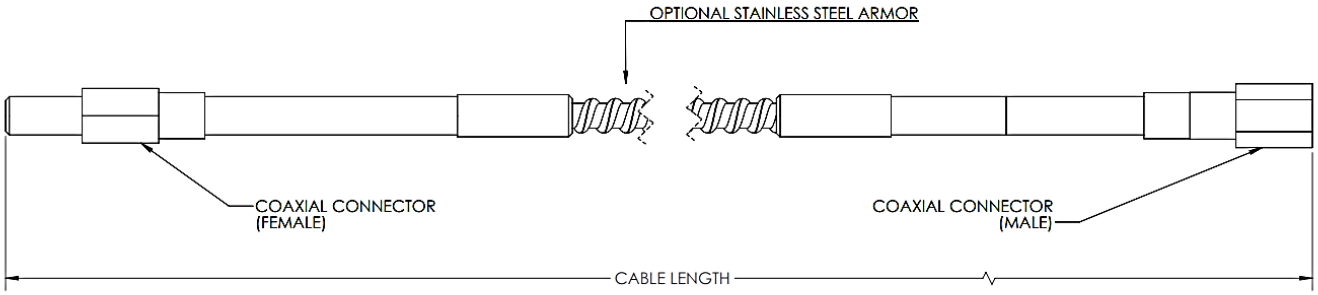


Figure 3. YB 3300XL 5/8mm Extension Cable

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Yekan Tajhiz company is acting in the field of supply, consulting and engineering services associated with vibration measurement and monitoring equipment and works as the middle east representative of Bently Nevada, Metrix and CTC brands.

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