

# YB (YEKAN Replacement BENTLY NEVADA) 3300XL 11mm Series Proximity System

Datasheet

Rev. V1.1

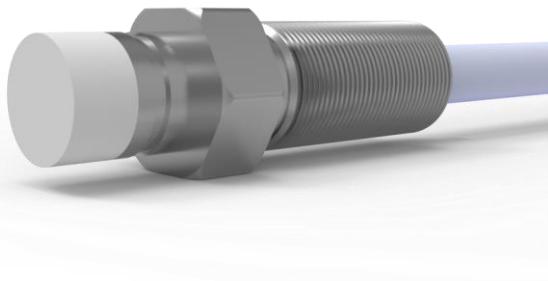
## Description

**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 11mm Series.



## YB For 3300XL 11mm series Proximity System

### Ordering Information

3300XL 11mm Proximity Probe **YB/330AAA-BB-CC-DD-EE-00**

3300XL 11mm Metric Proximity Probe **YB/330AAA-BBB-CCC-DD-EE-00**

Model No. 330AAA	Threads	Unthreaded Length BB , BBB	Overall Case Length CC , CCC	Total Length DD	Connector Option EE	Armor
YB/330701	1/2"-20	Order in increments of 0.1 in Length configurations: Maximum unthreaded length: 8.9 in Minimum unthreaded length: 0.0 in Example: 0 4 = 0.4 in	Order in increments of 0.1 in Threaded length configurations: Maximum case length: 9.9 in Minimum case length: 1.0 in Example: 2 4 = 2.4 in	10=1.0 meter	Miniature coaxial ClickLoc connector	NO
YB/330702					01: with connector protector, standard cable	YES
YB/330707	5/8"-18	Order in increments of 2 mm. Length configuration: Maximum unthreaded length: 224 mm Minimum unthreaded length: 0 mm Example: 0 6 0 = 60 mm	Order in increments of 2 mm. Metric thread configurations: Maximum length:250 mm Minimum length:26 mm Example: 0 6 0 = 60 mm	50=5.0 meter	NO	NO
YB/330708					02: standard cable	YES
YB/330703	M14*1.5	Order in increments of 2 mm. Length configuration: Maximum unthreaded length: 224 mm Minimum unthreaded length: 0 mm Example: 0 6 0 = 60 mm	Order in increments of 2 mm. Metric thread configurations: Maximum length:250 mm Minimum length:26 mm Example: 0 6 0 = 60 mm	90=9.0 meter	11: with connector protector, FluidLoc cable	NO
YB/330704					12: FluidLoc cable	YES
YB/330709	M16*1.5	Order in increments of 2 mm. Length configuration: Maximum unthreaded length: 224 mm Minimum unthreaded length: 0 mm Example: 0 6 0 = 60 mm	Order in increments of 2 mm. Metric thread configurations: Maximum length:250 mm Minimum length:26 mm Example: 0 6 0 = 60 mm	10=1.0 meter	NO	NO
YB/330710					YES	YES
*YB/330705	3/8"-24	0 2 = 0.2 in.	1 8 = 1.8 in.	10=1.0 meter	Miniature coaxial ClickLoc connector	NO
*YB/330706	M10*1	00 5 = 5 mm	046 = 46 mm		02: standard cable	

\*3300XL 11mm Reverse Mount Proximity Probe **YB/330705-02-18-DD-EE-00**

\*3300XL 11mm Reverse Mount Proximity Probe **YB/330706-005-046-DD-EE-00**

## YB For 3300XL 11mm series Proximity System

### 3300XL 11mm Standard Extension Cable YB/330730-AAA-BB-00

<b>Cable length</b>
<b>AAA</b>
040= 4.0 m
080= 8.0 m
<b>Connector Protector and Cable</b>
<b>BB</b>
00 = Standard cable
01 = Armored cable
02 = Standard cable with connector protector
03 = Armored cable with connector protector
10 = FluidLoc cable
11 = Armored FluidLoc cable
12 = FluidLoc cable with connector protector
13 = Armored FluidLoc cable with connector protector

### 3300XL 11mm Proximity/Transducer YB/330780-AA-00

<b>System Length and Mounting Option</b>
<b>AA</b>
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 11mm series Proximity System

#### Incremental Scale Factor (ISF)

<b>Standard 5 or 9 meter System</b>	3.94 V/mm (100 mV/mil) $\pm 10\%$ including interchangeability error when measured in increments of 0.5 mm (20 mils) over the 4.0 mm (160 mil) linear range.
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#### Shaft Diameter

<b>Recommended Minimum</b>	152 mm (6.0 in)
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#### Mechanical

<b>Probe Tip Material</b>	Polyether ether ketone (PEEK)
<b>Probe Case Material</b>	AISI 304 stainless steel (SST)
<b>Connector Material</b>	Gold-plated brass

#### Probe Temperature Range

<b>Standard Probe</b>	-52°C to +177°C (-62°F to +350°F)
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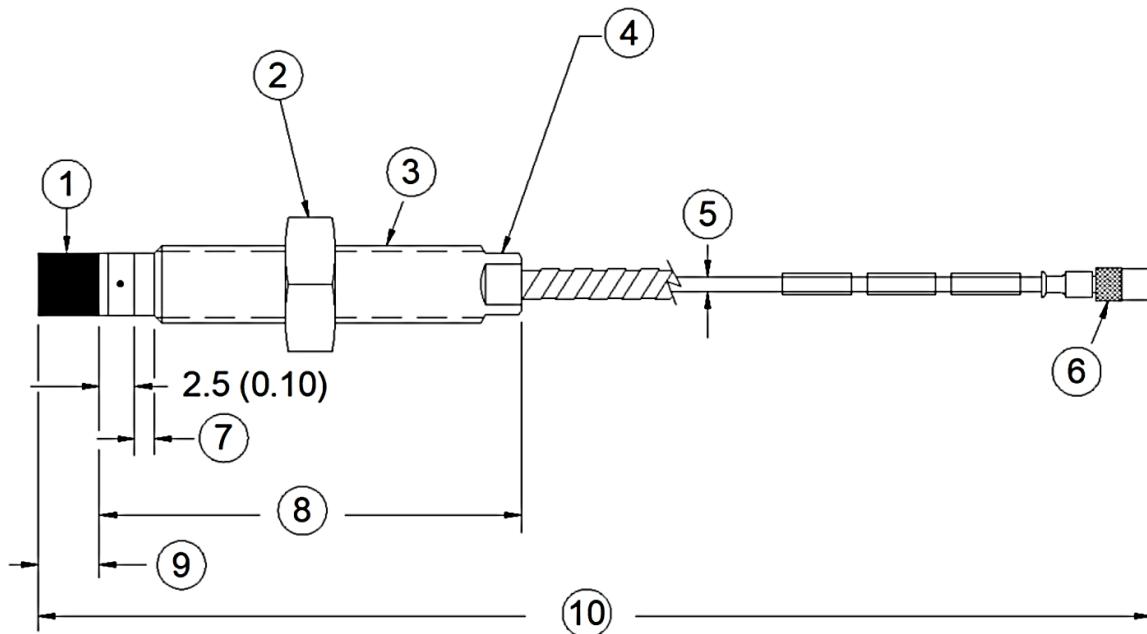
#### Extension Cable Temperature Range

<b>Standard Cable</b>	-52°C to +177°C (-62°F to +350°F)
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#### Proximity Sensor Temperature Range

<b>Operating Temperature</b>	-52°C to +100°C (-62°F to +212°F)
<b>Storage Temperature</b>	-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. 8.4 mm (0.33 in) maximum
10. Total length

Figure 1. YB 3300XL 11mm Standard Probe

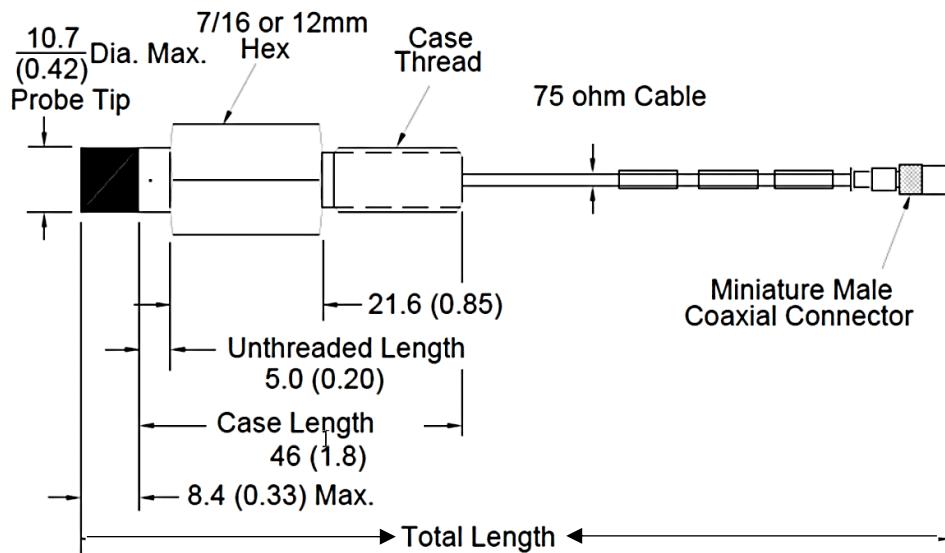


Figure 2. YB 3300XL 11mm Reverse Mount Probe

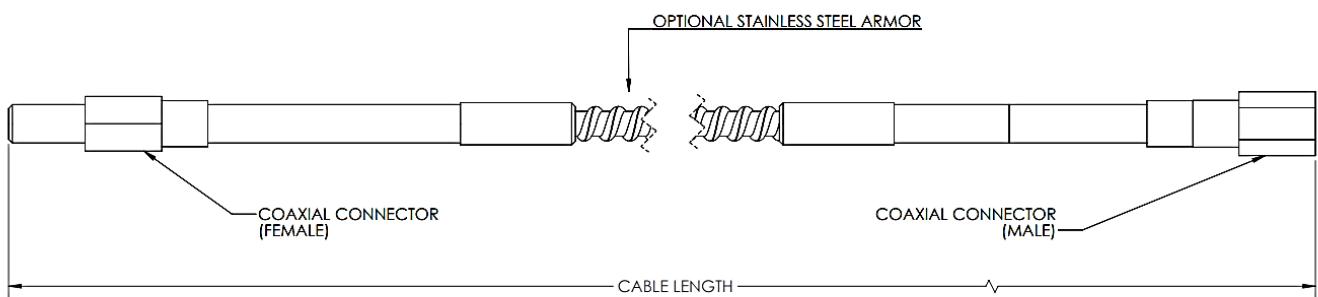


Figure 3. YB 3300XL 11mm Extension Cable

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