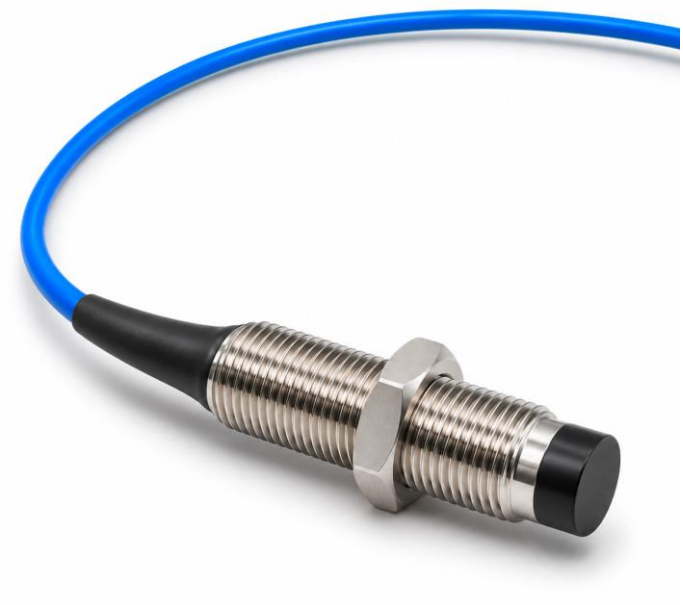
YB (YEKAN Replacement BENTLY NEVADA) 3300XL 11mm Series Proximity System

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**

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

*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**

Cable length **AAA**
040= 4.0 m
080= 8.0 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 = FluidLoc cable
11 = Armored FluidLoc cable
12 = FluidLoc cable with connector protector
13 = Armored FluidLoc cable with connector protector

3300XL 11mm Proximitor/Transducer **YB/330780-AA-00**

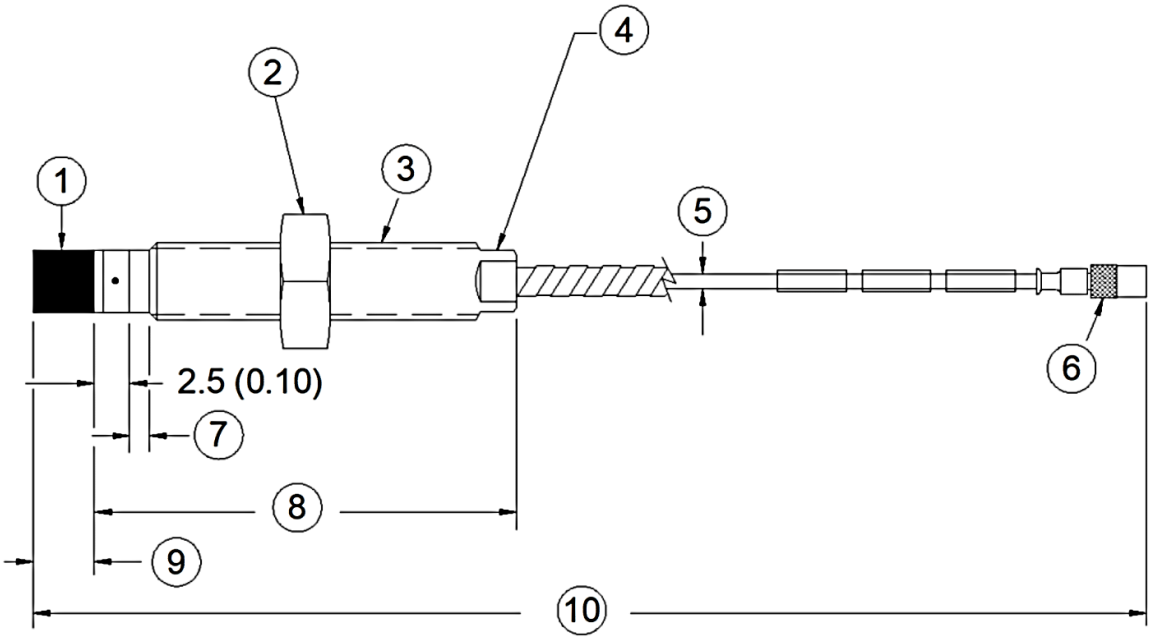
System Length and Mounting Option **AA**
50 = 5.0 meters / panel mount
51 = 5.0 meters / DIN mount
52 = 5.0 meters / no mounting hardware
90 = 9.0 meters / panel mount
91 = 9.0 meters / DIN mount
92 = 9.0 meters / no mounting hardware

Specifications

YB 3300XL 11mm series Proximity System

Incremental Scale Factor (ISF)	
Standard 5 or 9 meter System	3.94 V/mm (100 mV/mil) ±10% including interchangeability error when measured in increments of 0.5 mm (20 mils) over the 4.0 mm (160 mil) linear range.
Shaft Diameter	
Recommended Minimum	152 mm (6.0 in)
Mechanical	
Probe Tip Material	Polyether ether ketone (PEEK)
Probe Case Material	AISI 304 stainless steel (SST)
Connector Material	Gold-plated brass
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. 8.4 mm (0.33 in) maximum
10. Total length

Figure 1. YB 3300XL 11mm Standard Probe

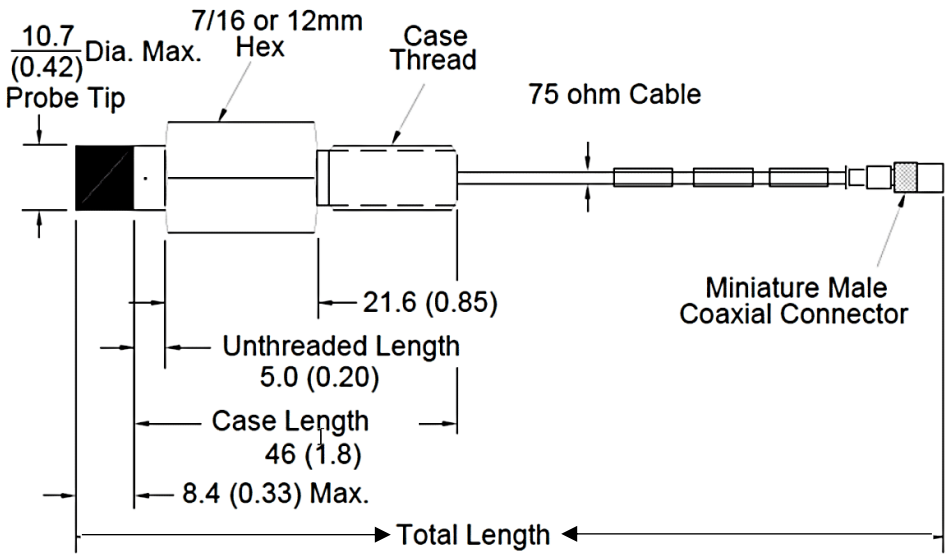


Figure 2. YB 3300XL 11mm Reverse Mount Probe

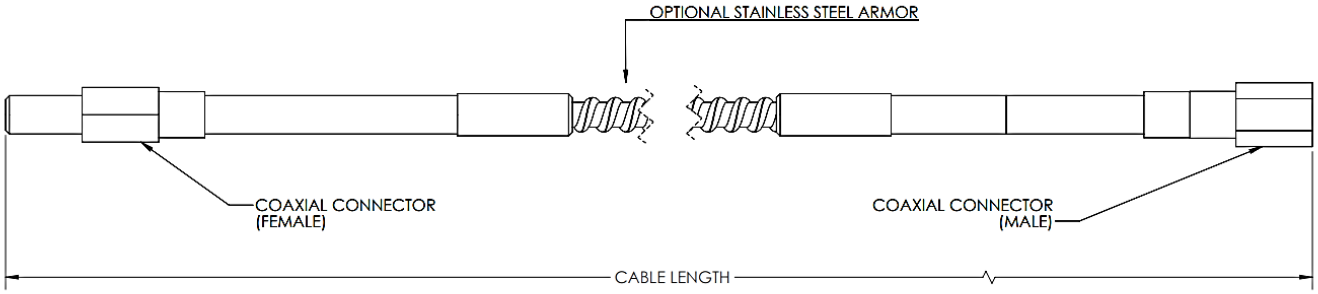


Figure 3. YB 3300XL 11mm Extension Cable

Copyright 2024 Yekan Company. All rights reserved.

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.

Tehran, Iran
Phone: 021-88196217 or yekan-vibro.com/support