

0 0	Agency Approval Option
0 5	Multiple Approvals

Ordering Information for Proximito Sensor

3300 XL Proximito Sensor

330180-AA-BB

A: Total Length and Mounting Option

10	1.0 meter (3.3 feet) system length, panel mount
11	1.0 meter (3.3 feet) system length, DIN mount
12	1.0 meter (3.3 feet) system length, no mounting hardware
50	5.0 meters (16.4 feet) system length, panel mount
51	5.0 meters (16.4 feet) system length, DIN mount
52	5.0 meters (16.4 feet) system length, no mounting hardware
90	9.0 meters (29.5 feet) system length, panel mount
91	9.0 meters (29.5 feet) system length, DIN mount
92	9.0 meters (29.5 feet) system length, no mounting hardware

B: Agency Approval Option

00	Not required
05	CSA, ATEX, IECEx Approvals

Probe Accessories

Aluminum probe mounting bracket

The aluminum probe threaded mounting bracket is the standard mounting bracket for most 3300 5 mm probe installations. The -02 option is supplied with 2 10-24 UNC-2A mounting screws. The -03 option is supplied with 2 M5 x 0.8-6g mounting screws. The mounting screws have pre-drilled holes for safety wire.

137492 - AA

A: Thread Size

0 2	1/4-28
0 3	M8 x 1

Phenolic Probe Mounting Bracket

The phenolic mounting bracket is recommended if additional electric isolation from the mounting location is required (as in some generator and electrical motor bearing locations). The -02 option is supplied with 2 10-24 UNC-2A mounting screws. The -03 option is supplied with 2 M5 x 0.8-6g mounting screws. The mounting screws have pre-drilled holes for safety wire.

27474 - AA

A: Thread Size

0 2	1/4-28
0 3	M8 x 1

75Ω ClickLoc Connector Kit

330153-AA

75Ω ClickLoc Connector Kit for 3300 series probes and extension cables. Each kit contains 1 color-coded sleeve per connector.

A: Kit Type

0 2	1 ClickLoc male connector for 3300 XL 5mm and 8mm extension cable.
0 3	1 ClickLoc female connector for 3300 XL 5mm and 8mm extension cable.
0 4	1 ClickLoc male connector for 3300 5mm probe.

Accessories

02120015	<p>Bulk field wire</p> <p>1.0mm² (18 AWG), 3-conductor, twisted, shielded cable for connections between Proximity Sensor and monitor.</p>
03200006	<p>Silicone self-fusing tape</p> <p>9.1-metre (10-yard) roll of silicone tape to protect connectors. It is easy to install and provides excellent electrical isolation and protection from the environment. It is not recommended for use inside the casing of the machine.</p>
40113-03	<p>Connector Protector Kit</p> <p>Connector Protector Kit for 3300 5mm probes, including connector protectors and installation tools.</p>
136536-01	<p>Connector Protector Adapter</p> <p>Makes connector protector kits purchased prior to 1998 compatible with ClickLoc extension cable connectors.</p>
40180-03	<p>Connector Protectors</p> <p>Package containing 10 pairs of 75Ω Coaxial Connector Protectors.</p>
03839410	<p>75Ω Triaxial/95 ohm Coaxial Male Connector Protector</p> <p>Placed onto the extension cable; attaches to the female connector protector on the 5 mm probe to provide environmental protection of connectors.</p>
03800001	<p>75Ω Coaxial Female Connector Protector</p> <p>Placed onto 3300 5mm probe leads; attaches to the male connector protector on the extension cable to provide environmental protection of connectors.</p>
163356	<p>Connector Crimp Tool Kit</p> <p>Includes 1 set of multi-connector inserts and connector installation instructions. Compatible only with 330153 connector kits or with probes shipped in 2003 or later with ClickLoc connectors uninstalled. Supplied with carrying case.</p>

Graphs and Figures

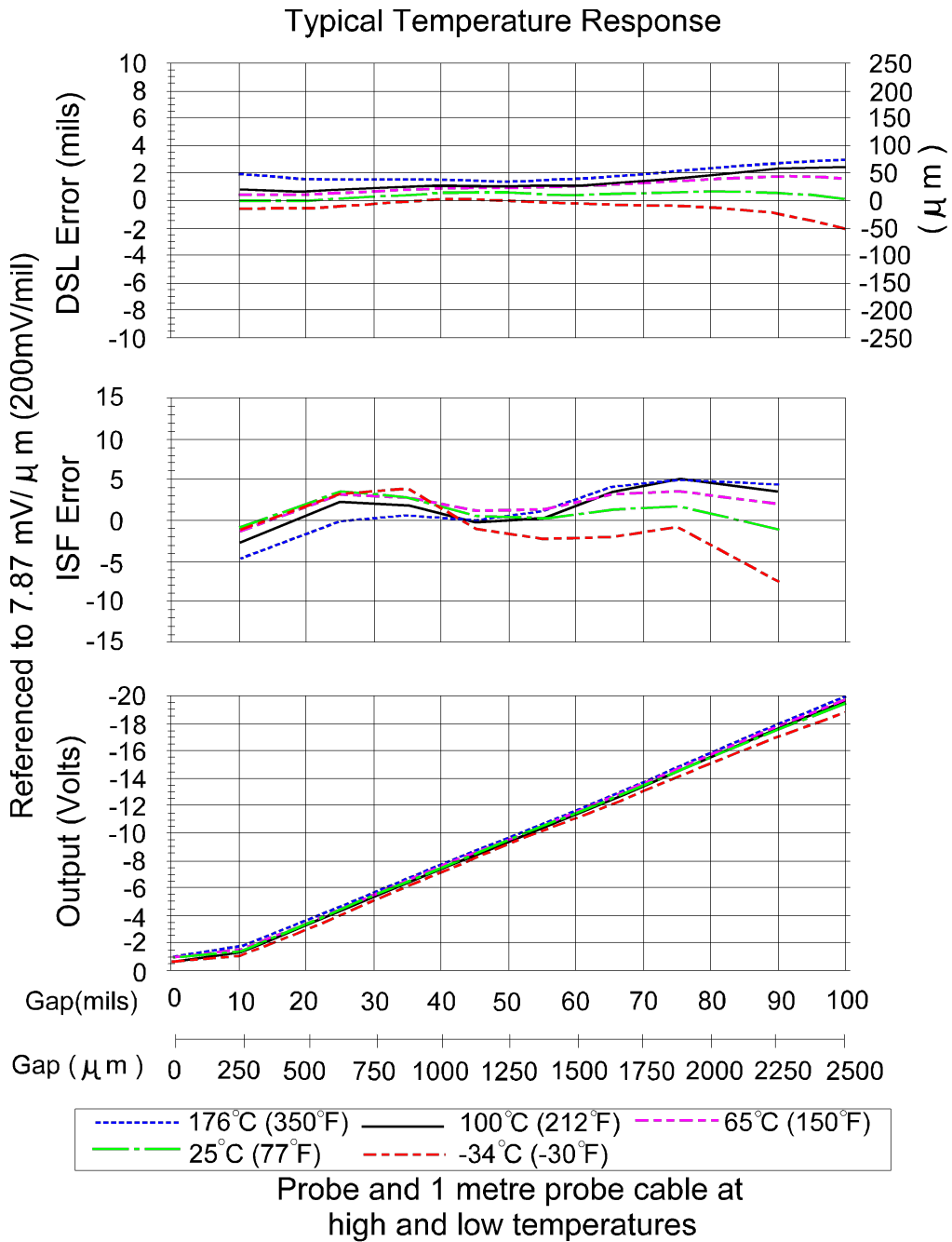


Figure 1: Typical 3300 5mm Probe and 1 Metre of Cable at High and Low Temperatures (XL Proximitor Sensor and XL Extension Cable are at 25°C)

Typical Temperature Response

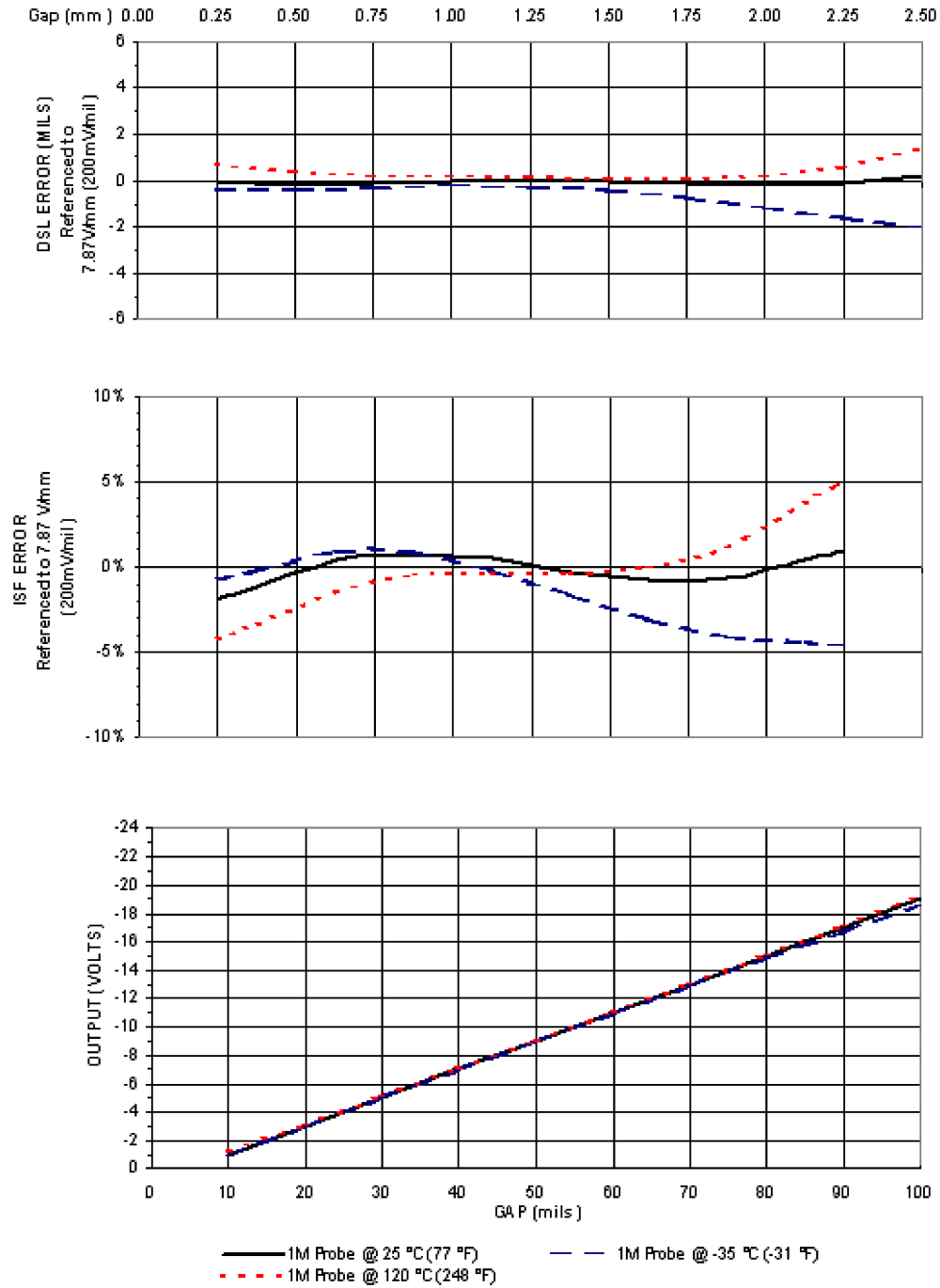
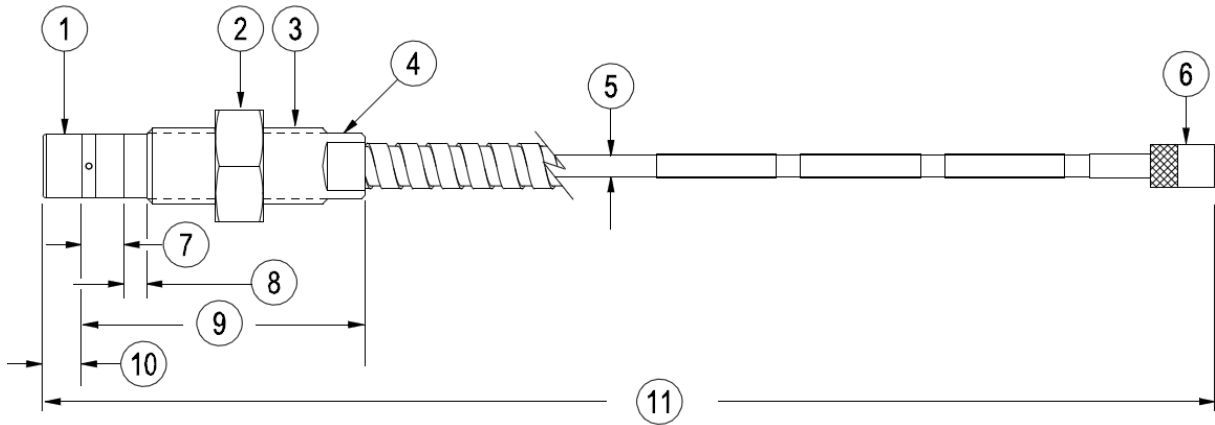


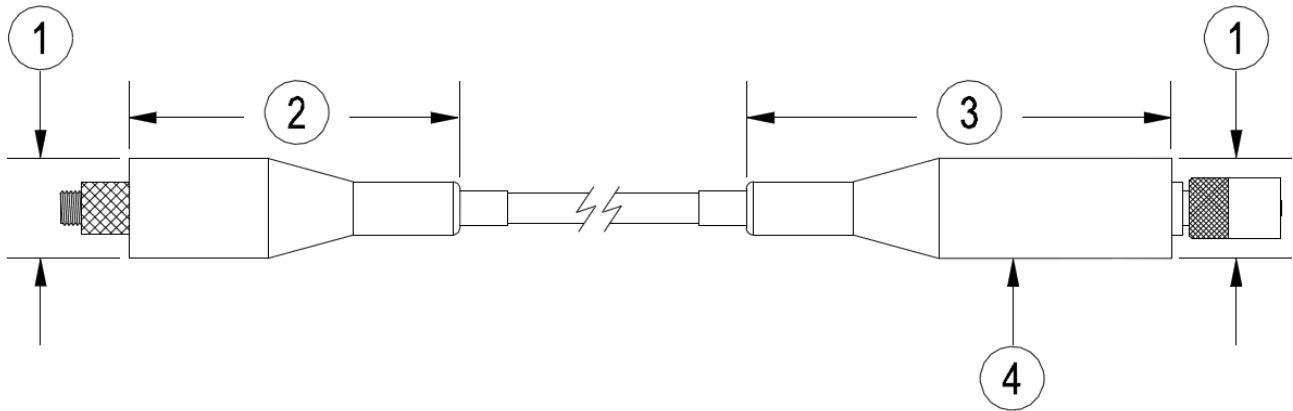
Figure 2: 3300 5 Meter XL Proximity Sensor at High Temperatures (3300 5mm Probe and XL Extension Cable at 25°C)



1. Probe tip, 5.2mm [0.21 in] diameter
2. 11.1 mm [7/16in] for 1/4-28 threads, 13.0mm [0.51in] for M8 thread. See Note 3.
3. Case thread
4. 5.6 [7/32] wrench flats for 1/4-28 threads, 7.0 [0.28] for M8 threads
5. 75Ω cable, 2.8mm [0.11 in] maximum outside diameter, 7.6mm [0.3 in] outside diameter of armor, 9.0mm [0.35in] maximum diameter of armor ferrule.
6. Miniature male coaxial connector, 7.23mm [0.285 in] maximum outside diameter "D"
7. 3.2 [0.13in]
8. Unthreaded length "A"
9. Case length "B"
10. 6.0mm [0.235in] maximum
11. Total length "C", =30%, -0%. See Note.

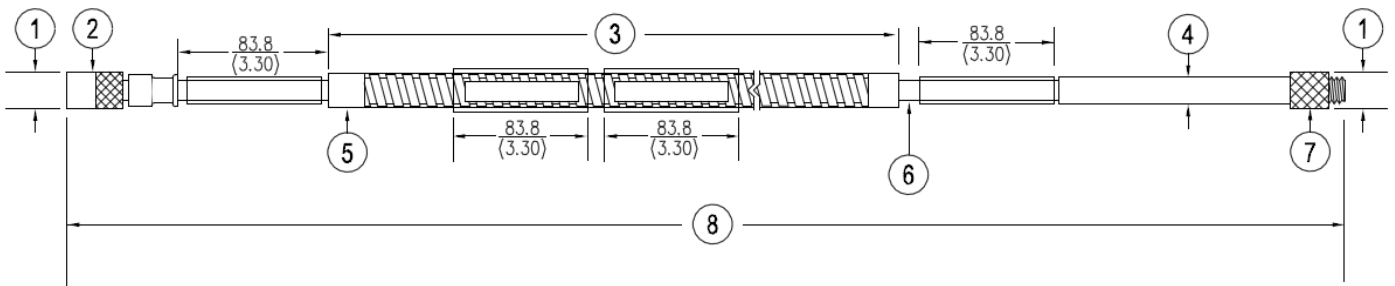
Figure 3: 3300 5mm Proximity Probes, Standard Mount

- 330171, 1/4-28 UNF-2A, without armor⁷
- 330172, 1/4-28 UNF-2A, with armor⁶
- 330173, M8X1 thread, without armor⁷
- 330174, M8X1 thread, with armor⁶



1. 12mm [0.40in] maximum diameter
2. 36.3mm [1.43in] maximum
3. 51.1mm [2.0in] maximum
4. Connector protector (fluorosilicone material)

Figure 4: Installed Connector Protectors



1. 7.2mm [0.25 in] maximum diameter
2. Miniature male coaxial connector
3. FEP or PFA coated armor. Armor length is 300mm [11.8in] less than cable length. See Note 5.
4. 75Ω cable, 3.7mm [0.15 in] maximum outside diameter, 3.9mm [0.16in] maximum diameter for FluidLoc cable, 7.6mm [0.30in] maximum outside diameter or armor, 9.0mm [0.35in] maximum diameter of armor ferrule.
5. Stainless steel ferrules, 8.4mm [0.33in] diameter
6. Miniature female coaxial connector
7. Cable length, +20%, -0%

Figure 5: 3300 XL Extension Cable

330130, 3300 XL Extension Cable (FEP armor and insulation)

Notes:

1. All dimensions are in millimetres (inches) unless otherwise noted.
2. Standard mount 5mm probes supplied with 13 mm or 7/16-in lock nut.
3. Letters inside quotation marks refer to probe ordering options.

Notes:

4. Stainless steel armor is supplied with FEP outer jacket for standard probes, PFA outer jacket for ETR probes.
5. FEP jacket is standard non-armored portion of the cable for standard probes, PFA jacket on non-armored portion for ETR probes.
6. Probes ordered with 5 or 9 meter integral cables have a length tolerance of +20%, -0%.
7. Five meter probes are designed for use with the five meter Proximity Sensor only.

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