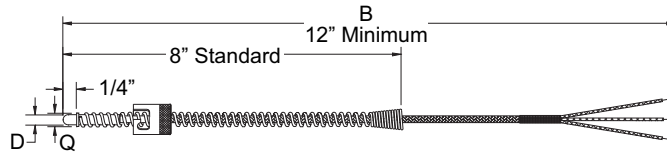


This RTD spring adjustable immersion sensor has a bayonet cap on an 8" spring (standard) to allow for immersion depths of 1/2" to 7". This assembly is used in a variety of applications (with a bayonet adapter) where ease of installation and quick disconnect is preferred. A wide array of standard and metric size bayonet caps and adapters are available. These assemblies are supplied standard using 316 stainless steel sheath material and a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ and an accuracy of ± 0.3 °C @ 0 °C (DIN Class B). Note: Accuracy statement for 3-wire assemblies only. Elements of other materials, values, and accuracies are available upon request. See specifications, later in this section, for temperature ratings on selected wire type and other construction specifications.



ORDER CODES

Example Order Number:

1-1 1-2 1-3 2 3
RBF1853B **A** **3** - **F3B024** - **2**

1-1 RTD Element Type

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1853B	RBF2853B	3 wire
RBF1852B	RBF2852B	2 wire

[1] Duplex assemblies available, with Kapton® wire only.

1-2 Bayonet Cap Style

CODE	DESCRIPTION
A	7/16" ID single slot (standard) (not available with Opt. 4 tip)
B	12 mm ID dual slot
C	12 mm OD dual pin
E	15 mm ID dual slot

1-3 Tip and Spring Diameters

CODE	TIP OD 'D' DIM. (inches)	SPRING OD 'Q' DIM. (inches)
3	0.188	0.263
4	0.250	0.324

2 Extension Length B

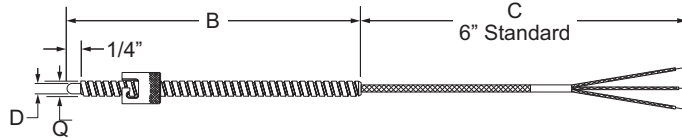
CODE ^[1]	DESCRIPTION
F3B_---	Fiberglass insulation - stranded conductor - stainless steel overbraid
K3B_---	Kapton® insulation - stranded conductor - stainless steel overbraid

[1] Insert 3 digit B length in inches.
EX: F3B024=24" B length.

3 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnects
Options	
MC	Mating connector
CC	Cable clamp
BX	Box connector
LS	12" long spring (3/16" OD only)

The RTD version of an armor adjustable immersion sensor has a bayonet cap on the flexible armor and allows for immersion for the entire specified 'B' dimension. This assembly is used in a variety of applications (with a bayonet adapter) where ease of installation and quick disconnect is preferred. A wide array of standard and metric size bayonet caps and adapters are available. These assemblies are supplied standard using 316 stainless steel sheath material and a 100 Ω platinum element with a temperature coefficient of 0.003 85 °C⁻¹ and an accuracy of ± 0.3 °C @ 0 °C (DIN Class B). Note: Accuracy statement for 3-wire assemblies only. Elements of other materials, values, and accuracies are available upon request. See General RTD Specifications later in this section for temperature ratings on selected wire type and other construction specifications.



ORDER CODES

Example Order Number:

1-1 1-2 1-3 2 3
RBF1853A A 3 - F3A012 - 3

1-1 RTD Element Type

CODE		ELEMENT CONNECTION
SINGLE	DUPLEX ^[1]	
RBF1852A	RBF2852A	2 wire
RBF1853A	RBF2853A	3 wire

[1] Duplex not available with 1/8" OD; 3/16" OD limited to Kapton® leadwire.

1-2 Bayonet Cap Style

CODE	DESCRIPTION
A	7/16" ID single slot (standard)
B	12 mm ID dual slot
C	12 mm OD dual pin
D	Positive seat indicating
E	15 mm ID dual slot

1-3 Tip and Flex Armor Diameters

CODE	TIP OD 'D' DIM. (inches)	FLEX OD 'Q' DIM. (inches)
2	0.125	0.210
3	0.188	0.275

2 Extension Leadwire B + C

CODE ^[1]	DESCRIPTION
F3A_ _ _	Fiberglass insulation - stranded conductor - flexible armor
K3A_ _ _	Kapton® insulation - stranded conductor - flexible armor

[1] Insert 3 digit B length in inches. EX: F3B036=36" B length; for assemblies other than standard that require leadwire beyond the flexible armor, insert 3 digit C length after armor length. EX: F3A036-012=36" B length with additional 12" leads beyond armor.

3 Terminations and Options

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads with spade lugs
4	Standard plug
5	Standard jack
6	Miniature plug
7	Miniature jack
8	2" split leads with 1/4" female disconnects
Options	
MC	Mating connector
CC	Cable clamp
BX	Box connector