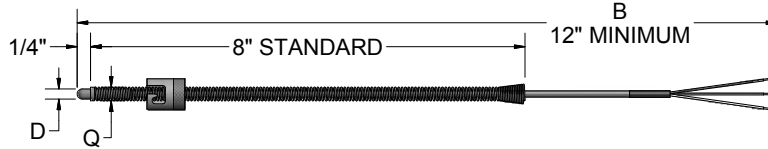


This RTD spring-adjustable immersion sensor has a bayonet cap on an 8" spring (standard) to allow for immersion depths of 1/2" to 7". This assembly is used in a variety of applications (with a bayonet adapter) where ease of installation and quick disconnect is preferred. Standard and metric size bayonet 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<sup>-1</sup> (IEC Class B). Elements of other materials, values, and tolerances are available upon request.



## ORDER CODES

**Example Order Number:**



### 1-1 RTD Element Type

CODE		ELEMENT CONNECTION
<i>SINGLE</i>	<i>DUPLEX<sup>[1]</sup></i>	
RBF1853B	RBF2853B	3-wire
RBF1852B	RBF2852B	2-wire

[1] Duplex assemblies available, with polyimide wire only.

### 2 Extension Length "B"

CODE <sup>[1]</sup>	DESCRIPTION
F3B_ _ _	Fiberglass insulation - stranded conductor - stainless steel overbraided
K3B_ _ _	Polyimide insulation - stranded conductor - stainless steel overbraided

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

### 1-2 Bayonet Cap Style

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

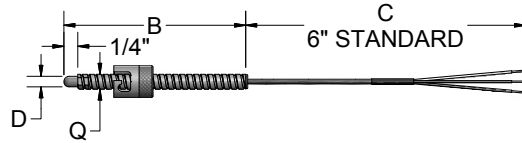
### 3 Terminations and Options

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
<b>Options</b>	
MC	Mating connector
CC	Cable clamp
BX	Box connector
LS	12" long spring (3/16" O.D. only)

### 1-3 Tip and Spring Diameters

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

The RTD version of an armor-adjustable immersion sensor has a bayonet cap on the flexible armor and allows for immersion of 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. 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<sup>-1</sup> (IEC Class B). Elements of other materials, values, and tolerances are available upon request.



### 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 <sup>[1]</sup>	
RBF1852A	RBF2852A	2 wire
RBF1853A	RBF2853A	3 wire

[1] Duplex not available with 1/8" O.D.; 3/16" O.D. limited to polyimide leadwire.

#### 1-2 Bayonet Cap Style

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

#### 1-3 Tip and Flex Armor Diameters

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

#### 2 Extension Leadwire "B" + "C"

CODE <sup>[1]</sup>	DESCRIPTION
F3A_ _ _	Fiberglass insulation - stranded conductor - flexible armor
K3A_ _ _	Polyimide 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