

Model 600A-01 Duratemp® Thermometer



FEATURES

- Exclusive movementless design resists shock and vibration – no gears to wear or misalign resulting in increased instrument life
- Gas-operated molecular sieve
- No elevation error
- Mercury free
- One bulb size for all ranges
- ±1% full-span accuracy
- Maxivision® dial
- Limited five-year warranty

A high impact-resistant polished stainless steel case. Bayonet ring facilitates easy removal for glass replacement and pointer adjustment. A versatile case that enables surface or flush mounting. Available in 4½" dial size.

PRODUCT SPECIFICATIONS

- Model:** 600A-01
Accuracy: ±1% of span.
Case Style: Stainless steel, bayonet ring
Dial Size: 4½" Maxivision linear anti-parallax dial black markings on a white dial
Window: Glass, shatterproof glass and plastic are optional.
Mounting and connection: Surface/Lower (C01) or Flush/Rear (C11)
Ambient Temperature: 160°F/71°C
Bulb size: 3" long by 3/8" O.D.
Bulb Material: 316 Stainless steel

- Bulb Styles:**
- 12" Bendable extension w/ ½ NPT union connection (B01)
 - Plain bulb with rigid extension no union (B03)
 - Plain bulb with rigid extension ½ NPT union on armor (B08)
 - 18" Bendable extension w/ ½ NPT union connection (B17)
 - 24" Bendable extension w/ ½ NPT union connection (B18)

Capillary

Material: 300 Stainless steel
Line length: 5' – 80' in standard increments (See table 5)

Armor: AISI 302 Spring Armor standard, interlock 303 SS, PVC coated, plain and no armor are optional.

Ranges:
 -300/200°F — 400/1200°F
 -200/100°C — 200/650°C
 Dual scale ranges available

Over Range: 125% of span

Head/Elevation

Error: None

Product Options:

- Front Flange **XFF** (600A-01-C11 only)
- Dial Markings **XDM**
- Externally adjustable red set hand **XEO**
- Externally adjustable **XEP**
- Externally adjustable min. pointer **XEQ**
- Non-glare glass **XNG**
- Paper Tag **XNN**
- Stainless steel tag **XNH**
- Plastic Window **XPD**
- Shatterproof glass **XSG**
- Stationary Red Hand Set **XSH**

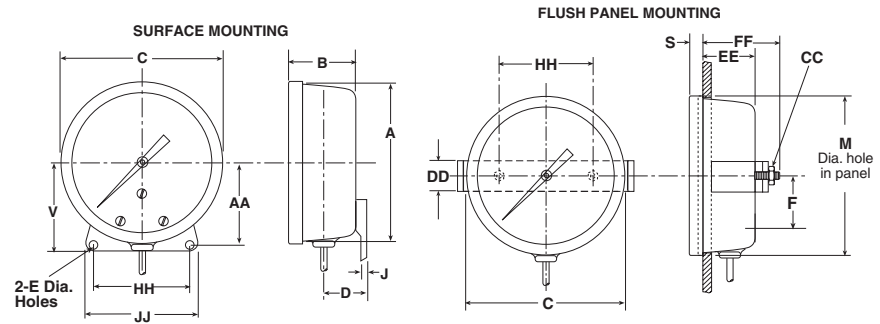
HOW TO ORDER

600A	01		C01					B01		A1		L07		AK		
	Table 1		Table 2					Table 3		Table 4		Table 5		Table 6		
	CASE STYLE		CASE STYLE		MOUNTING CONNECTION			BULB STYLES		ARMOR STYLE		LINE LENGTH		RANGES		
	CODE	DESCRIPTION	CODE	SIZE	SURFACE	FLUSH	LOWER	REAR	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
	01	SS Bayonet Ring	C01	4½"	✓		✓		B01	12" Bendable extension with ½ NPT union connection	A1	Stainless Steel Spring	L01	5'	AB	-320/200°F
			C11	4½"		✓	✓		B03	Plain bulb with rigid extension, no union			L03	10'	AE	-100/100°F
									B08	Plain bulb with rigid extension, ½ NPT union on armor			L07	20'	AG	-40/180°F
									B17	18" Bendable extension with ½ NPT union connection			L09	30'	AK	20/240°F
									B18	24" Bendable extension with ½ NPT union connection			L13	50'	AL	50/300°F
									*Minimum recommended insertion length ("u" dimension) in liquids is 4 inches and in gases is 6 inches for standard ¾ x 3" bulb				L19	80'	AN	50/550°F
															AR	50/750°F
															AT	400/1200°F
															AY	-200/100°C
															BL	-80/40°C
															BN	-40/80°C
															BS	0/120°C
															BT	10/150°C
															BU	0/300°C
															BW	0/400°C
															BJ	200/650°C
															DUAL RANGES	
															CE	20/240°F
																0/120°C
															CF	50/550°F
																0/300°C
															DR	50/300°F
																10/150°C
															DT	-40/180°F
																-40/80°C

Note: Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.

Model 600A-01 Duratemp® Thermometer

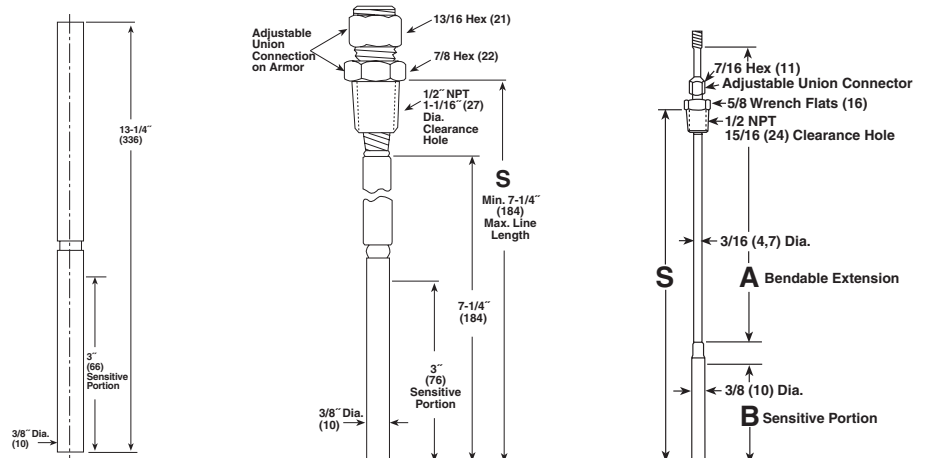
Case Dimensions



Dial Size Inches	A	B	C	D	E	F	J	M	S	U	AA	CC	DD	FF	EE	HH	JJ
4½	4 ⁷ / ₃₂ (120)	2 ⁹ / ₁₆ (56)	5 ¹ / ₁₆ (130)	1 ¹ / ₁₆ (27)	⁷ / ₃₂ (6)	1 ¹ / ₁₆ (141)	¹ / ₁₆ (2)	4 ⁹ / ₃₂ (121)	⁷ / ₁₆ (11)	1 ¹ / ₁₆ (37)	2 ¹ / ₁₆ (67)	10-24	1 (25)	2 ¹ / ₁₆ (57)	1 ¹ / ₁₆ (41)	3 (76)	3 ¹ / ₂ (89)

NOTE: Dimensions in inches, () are millimeters.

Bulb Style and Armor Dimensions



Style B03

13" plain bulb for applications used in open tanks where pressures and velocities are negligible.

Armor Style A1

AISI 302 stainless steel spring armor is supplied as standard. Originally designed for U.S. Navy Hi Shock thermometers

Style B08

The compression fitting fastens anywhere along the armored line. This bulb style is well suited for insertion requirements in excess of 13½". The B08 style is not a pressure tight connection. A thermowell is recommended for this style and for all bulb styles.

Style B01, B17 & B18

Are bendable extensions with union connections. B01 (12" bendable extension) is the standard Duratemp bulb style and is suitable for a variety of insertion lengths and lagging requirements. B17 is a 18" bendable extension, B18 is a 24" bendable extension. The union connection on all three styles is pressure tight and can be freely moved the entire length of the bendable portion. After installation, the bendable extension may be formed to suit the application.

Bulb Code	Bulb Size "B"	"A"	"S" Max.	"S" Min.
B01	3 (76)	12 (305)	15 (381)	4 (102)
B17	3 (76)	18 (457)	21 (533)	4 (102)
B18	3 (76)	24 (610)	27 (686)	4 (102)

Model 600A-02 Duratemp® Thermometer



FEATURES

- Exclusive movementless design resists shock and vibration – no gears to wear or misalign resulting in increased instrument life
- Gas-operated molecular sieve
- No elevation error
- Mercury free
- One bulb size for all ranges
- ±1% full-span accuracy
- Maxivision® dial
- Limited five-year warranty

An aluminum case with a durable epoxy finish. Designed specifically for panel mounting. A hinged ring permits glass replacement and pointer adjustment. Available in 4½", 6" and 8½" sizes.

PRODUCT SPECIFICATIONS

- Model:** 600A-02
Accuracy: ±1% of span
Case Style: Aluminum hinged ring
Dial Size: 4½", 6" and 8½" Maxivision® linear anti-parallax dial, black markings on a white dial
Window: Glass, shatterproof glass & plastic are optional.
Mounting and connection: Flush/Rear (C12, C27 or C35)
Ambient Temperature: 160°F/71°C
Bulb size: 3" long by ⅜" O.D.
Bulb Material: 316 Stainless steel

- Bulb Styles:**
- 12" Bendable extension w/½ NPT union connection (B01)
 - Plain bulb with rigid extension no union (B03)
 - Plain bulb with rigid extension ½ NPT union on armor (B08)
 - 18" Bendable extension w/ ½ NPT union connection (B17)
 - 24" Bendable extension w/ ½ NPT union connection (B18)

- Capillary Material:** 300 Stainless steel
Line length: 5ft – 80ft in standard increments (See table 5)
Armor: AISI 302 spring armor standard, interlock 303 SS, PVC coated, plain and no armor are optional.

- Ranges:**
- 320/200°F — 400/1200°F
 - 200/100°C — 200/650°C
- Dual scale ranges available

Over Range: 125% of span

Head/Elevation Error: None

- Product Options:**
- Dial markings **XDM**
 - Externally adjustable red hand set **XEO**
 - Externally adjustable **XEP**
 - Externally adjustable min. pointer **XEQ**
 - Non-glare glass **XNG**
 - Paper tag **XNN**
 - Stainless steel tag **XNH**
 - Plastic window **XPD**
 - Shatterproof glass **XSG**
 - Stationary red hand set **XSH**
 - Tank car thermometer **XTK**
 - Stainless steel polished ring **G3**

HOW TO ORDER

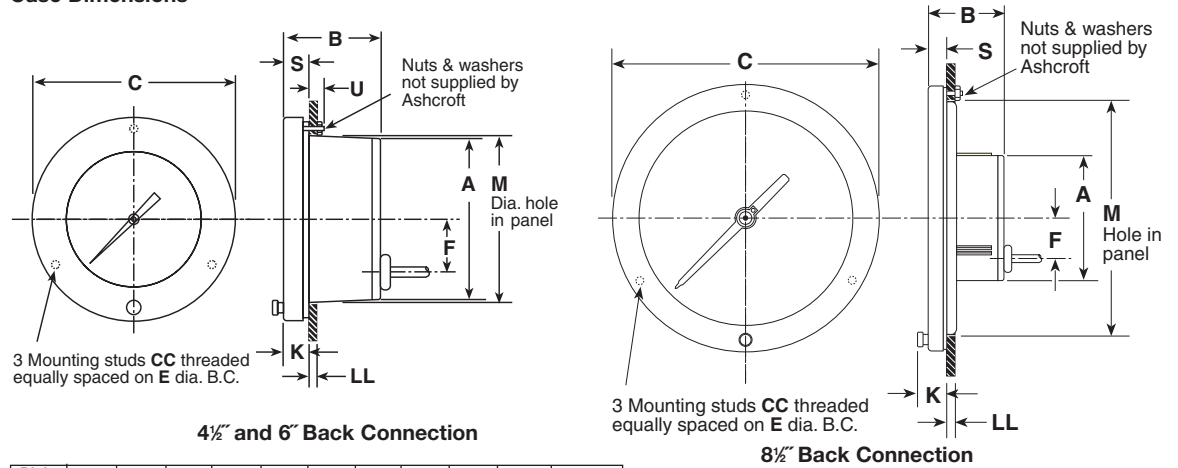
600A	02		C02					B01		A1		L07		AK		
	Table 1		Table 2					Table 3		Table 4		Table 5		Table 6		
	CASE STYLE		CASE STYLE		MOUNTING CONNECTION			BULB STYLES		ARMOR STYLE		LINE LENGTH		RANGES		
	CODE	DESCRIPTION	CODE	SIZE	SURFACE	FLUSH	LOWER	REAR	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
	02	Aluminum Hinged Ring	C12	4½"		✓		✓	B01	12" Bendable extension with ½ NPT union connection	A1	Stainless Steel Spring	L01	5'	AB	-320/200°F
			C27	6"		✓		✓	B03	Plain bulb with rigid extension, no union			L03	10'	AE	-100/100°F
			C35	8½"		✓		✓	B08	Plain bulb with rigid extension, ½ NPT union on armor			L07	20'	AG	-40/180°F
									B17	18" Bendable extension with ½ NPT union connection			L09	30'	AK	20/240°F
									B18	24" Bendable extension with ½ NPT union connection			L13	50'	AL	50/300°F
											L19	80'	AN	50/550°F		
														AR	50/750°F	
														AT	400/1200°F	
														AY	-200/100°C	
														BL	-80/40°C	
														BN	-40/80°C	
														BS	0/120°C	
														BT	10/150°C	
														BU	0/300°C	
														BW	0/400°C	
														BJ	200/650°C	
															DUAL RANGES	
														CE	20/240°F	
															0/120°C	
														CF	50/550°F	
															0/300°C	
														DR	50/300°F	
															10/150°C	
														DT	-40/180°F	
															-40/80°C	

Note: Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.

*Minimum recommended insertion length ("u" dimension) in liquids is 4 inches and in gases is 6 inches for standard ⅜ x 3" bulb

Model 600A-02 Duratemp® Thermometer

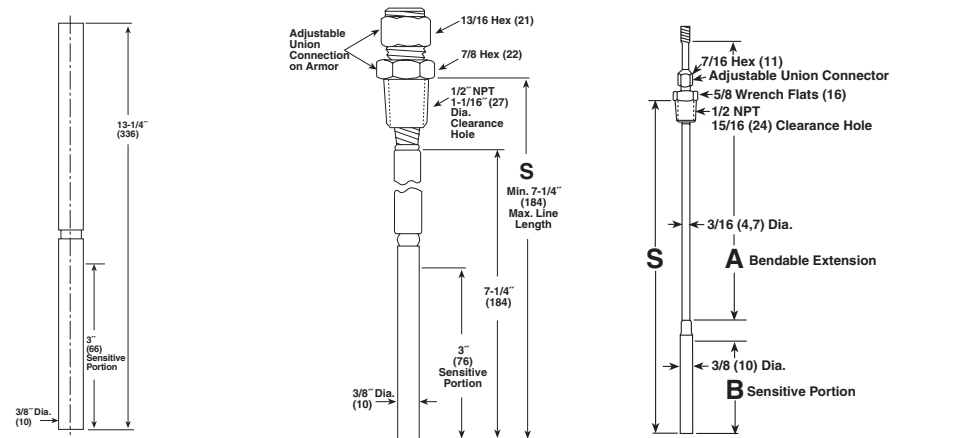
Case Dimensions



Dial Size Inches	A	B	C	E	F	K	M	S	U	CC	LL
4½	4¼ (120.7)	2½ (63.5)	6½ (165.1)	5¼ (137.2)	1¼ (31.8)	1¼ (31.8)	4¼ (111.8)	¾ (19.0)	¾ (19.0)	10-24	¼ (6.3) / ½ (12.7)
6	4¼ (123.7)	2¼ (61.0)	7¼ (184.8)	7 (177.8)	2¼ (61.0)	1¼ (31.8)	6¼ (162.7)	¾ (19.0)	¾ (19.0)	¼-20	¼ (6.3) / ½ (12.7)
8½	4¼ (120.7)	2¼ (61.0)	9½ (241.3)	9¼ (238.1)	2¼ (61.0)	1¼ (31.8)	9 (228.6)	¾ (19.0)	¾ (19.0)	¼-20	¼ (6.3) / ½ (12.7)

NOTE: Dimensions in inches, () are millimeters.

Bulb Style and Armor Dimensions



Style B03
13" plain bulb for applications used in open tanks where pressures and velocities are negligible.

Armor Style A1
AISI 302 stainless steel spring armor is supplied as standard. Originally designed for U.S. Navy Hi Shock thermometers

Style B08
The compression fitting fastens anywhere along the armored line. This bulb style is well suited for insertion requirements in excess of 13½". The B08 style is not a pressure tight connection. A thermowell is recommended for this style and for all bulb styles.

Style B01, B17 & B18
Are bendable extensions with union connections. B01 (12" bendable extension) is the standard Duratemp bulb style and is suitable for a variety of insertion lengths and lagging requirements. B17 is a 18" bendable extension, B18 is a 24" bendable extension. The union connection on all three styles is pressure tight and can be freely moved the entire length of the bendable portion. After installation, the bendable extension may be formed to suit the application.

Bulb Code	Bulb Size "B"	"A"	"S" Max.	"S" Min.
B01	3 (76)	12 (305)	15 (381)	4 (102)
B17	3 (76)	18 (457)	21 (533)	4 (102)
B18	3 (76)	24 (610)	27 (686)	4 (102)

Model 600A-03 Duratemp® Thermometer



FEATURES

- Exclusive movementless design resists shock and vibration – no gears to wear or misalign resulting in increased instrument life
- Gas-operated molecular sieve
- No elevation error
- Mercury free
- One bulb size for all ranges
- ±1% full-span accuracy
- Maxivision® dial
- Limited five-year warranty

A black-coated aluminum case with excellent impact resistance. Threaded ring permits adjustment. Available in 4½" and 6" sizes.

PRODUCT SPECIFICATIONS

- Model:** 600A-03
Accuracy: ±1% of span
Case Style: Aluminum threaded ring
Dial Size: 4½" or 6" Maxivision® linear anti-parallax dial, black markings on a white dial
Window: Glass, shatterproof glass & plastic are optional.
Mounting and connection: Flush/Rear (C02 or C15)
Ambient Temperature: 160°F/71°C
Bulb size: 3" long by ⅜" O.D.
Bulb Material: 316 Stainless steel

- Bulb Styles:**
- 12" Bendable extension w/½ NPT union connection (B01)
 - Plain bulb with rigid extension no union (B03)
 - Plain bulb with rigid extension ½ NPT union on armor (B08)
 - 18" Bendable extension w/ ½ NPT union connection (B17)
 - 24" Bendable extension w/ ½ NPT union connection (B18)

Capillary Material: 300 Stainless steel
Line length: 5ft – 80ft in standard increments (See table5)

Armor: AISI 302 spring armor standard, interlock 303 SS, PVC coated, plain and no armor are optional.

Ranges:
 -320/200°F — 400/1200°F
 -200/100°C — 200/650°C
 Dual scale ranges available

Over Range: 125% of span

Head/Elevation

Error: None

Product Options:

- Dial Markings **XDM**
- Externally adjustable red hand set **XEO**
- Externally adjustable **XEP**
- Externally adjustable min. pointer **XEQ**
- Non-glare glass **XNG**
- Paper Tag **XNN**
- Stainless steel tag **XNH**
- Plastic Window **XPD**
- Shatterproof glass **XSG**
- Stationary Red Hand Set **XSH**

HOW TO ORDER

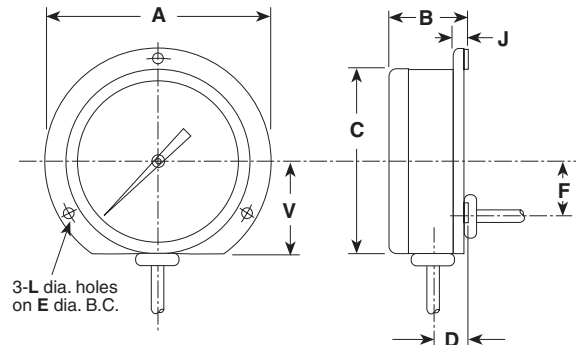
600A	03		C02					B01		A1		L07		AK		
	Table 1		Table 2					Table 3		Table 4		Table 5		Table 6		
	CASE STYLE		CASE STYLE		MOUNTING CONNECTION			BULB STYLES		ARMOR STYLE		LINE LENGTH		RANGES		
	CODE	DESCRIPTION	CODE	SIZE	SURFACE	FLUSH	LOWER	REAR	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
	03	Aluminum Threaded Ring	C02	4½"	✓		✓		B01	12" Bendable extension with ½ NPT union connection	A1	Stainless Steel Spring	L01	5'	AB	-320/200°F
			C15	6"	✓		✓		B03	Plain bulb with rigid extension, no union			L03	10'	AE	-100/100°F
									B08	Plain bulb with rigid extension, ½ NPT union on armor			L07	20'	AG	-40/180°F
									B17	18" Bendable extension with ½ NPT union connection			L09	30'	AK	20/240°F
									B18	24" Bendable extension with ½ NPT union connection			L13	50'	AL	50/300°F
											L19	80'	AN	50/550°F		
														AR	50/750°F	
														AT	400/1200°F	
														AY	-200/100°C	
														BL	-80/40°C	
														BN	-40/80°C	
														BS	0/120°C	
														BT	10/150°C	
														BU	0/300°C	
														BW	0/400°C	
														BJ	200/650°C	
															DUAL RANGES	
														CE	20/240°F	
															0/120°C	
														CF	50/550°F	
															0/300°C	
														DR	50/300°F	
															10/150°C	
														DT	-40/180°F	
															-40/80°C	

Note: Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.

*Minimum recommended insertion length ("u" dimension) in liquids is 4 inches and in gases is 6 inches for standard ⅜ x 3" bulb

Model 600A-03 Duratemp® Thermometer

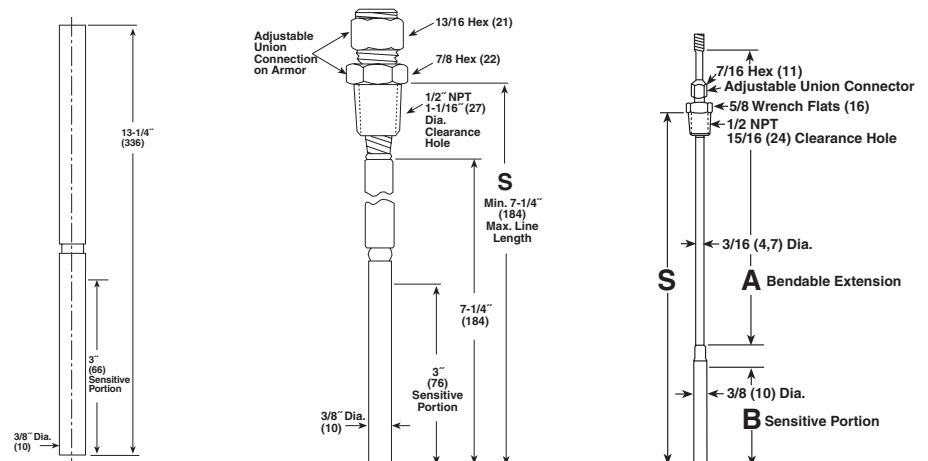
Case Dimensions



Dial Size Inches	A	B	C	D	E	F	J	L	V
4½	4 19/16 (148)	2 5/8 (57)	5 1/2 (126)	1 1/2 (24)	5 5/8 (137)	1 1/8 (41)	4 1/4 (124)	7/8 (5.5)	2 5/8 (60)
6	7 7/8 (194)	2 1/4 (57)	6 1/2 (165)	1 5/8 (24)	7 (178)	2 1/4 (54)	6 1/4 (165)	7/8 (7)	3 1/4 (79)

NOTE: Dimensions in inches, () are millimeters.

Bulb Style and Armor Dimensions



Style B03

13" plain bulb for applications used in open tanks where pressures and velocities are negligible.

Armor Style A1

AISI 302 stainless steel spring armor is supplied as standard. Originally designed for U.S. Navy Hi Shock thermometers

Style B08

The compression fitting fastens anywhere along the armored line. This bulb style is well suited for insertion requirements in excess of 13". The B08 style is not a pressure tight connection. A thermometer is recommended for this style and for all bulb styles.

Style B01, B17 & B18

Are bendable extensions with union connections. B01 (12" bendable extension) is the standard Duratemp bulb style and is suitable for a variety of insertion lengths and lagging requirements. B17 is a 18" bendable extension, B18 is a 24" bendable extension. The union connection on all three styles is pressure tight and can be freely moved the entire length of the bendable portion. After installation, the bendable extension may be formed to suit the application.

Bulb Code	Bulb Size "B"	"A"	"S" Max.	"S" Min.
B01	3 (76)	12 (305)	15 (381)	4 (102)
B17	3 (76)	18 (457)	21 (533)	4 (102)
B18	3 (76)	24 (610)	27 (686)	4 (102)

Model 600A-04 Duratemp® Thermometer



FEATURES

- Exclusive movementless design resists shock and vibration – no gears to wear or misalign resulting in increased instrument life
- Gas-operated molecular sieve
- No elevation error
- Mercury free
- One bulb size for all ranges
- ±1% full-span accuracy
- Maxivision® dial
- Limited five-year warranty

The phenolic case construction is ideal for most ambient conditions. Flush or surface mounting. Snap ring permits pointer adjustment. Available in 4½", 6" dial sizes.

- Model:** 600A-04
Accuracy: ±1% of span.
Case Style: Phenolic, snap ring
Dial Size: 4½" or 6" Maxivision® linear anti-parallax dial black markings on a white dial
Window: Glass, shatterproof glass and plastic are optional.
Mounting and connection: Surface/flush/lower/rear (C03,C08,C38 or C16)
Ambient Temperature: 160°F/71°C
Bulb size: 3" long by 3/8" O.D.
Bulb Material: 316 Stainless steel
Bulb Styles: - 12" Bendable extension w/ ½ NPT

- union connection (B01)
- Plain bulb with rigid extension no union (B03)
- Plain bulb with rigid extension ½ NPT union on armor (B08)
- 18" Bendable extension w/ ½ NPT union connection (B17)
- 24" Bendable extension w/ ½ NPT union connection (B18)

Capillary Material:

300 Stainless steel

Line length:

5' – 80' in standard increments (See table 5)

Armor:

AISI 302 Spring Armor standard, interlock 303 SS, PVC coated, plain and no armor are optional.

Ranges:

-300/200°F — 400/1200°F
 -200/100°C — 200/650°C
 Dual scale ranges available

Over Range:

125% of span

Head/Elevation Error:

None

Product Options:

- Dial Markings **XDM**
- Externally adjustable red set hand **XEO**
- Externally adjustable **XEP**
- Externally adjustable min. pointer **XEQ**
- Non-glare glass **XNG**
- Paper Tag **XNN**
- Stainless steel tag **XNH**
- Plastic Window **XPD**
- Shatterproof glass **XSG**
- Stationary Red Hand Set **XSH**

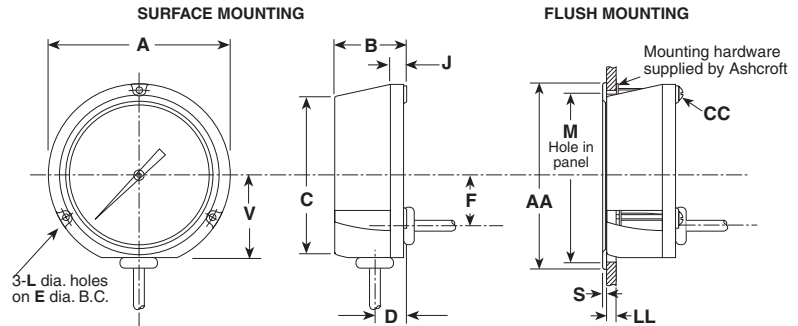
HOW TO ORDER

600A	04		C03					B01		A1		L07		AK	
	Table 1		Table 2					Table 3		Table 4		Table 5		Table 6	
	CASE STYLE		CASE STYLE		MOUNTING CONNECTION			BULB STYLES		ARMOR STYLE		LINE LENGTH		RANGES	
CODE	DESCRIPTION	CODE	SIZE	SURFACE	FLUSH	LOWER	REAR	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	DESCRIPTION
04	Phenolic Snap Ring	C03	4½"	✓		✓		B01	12" Bendable extension with ½ NPT union connection	A1	Stainless Steel Spring	L01	5'	AB	-320/200°F
		C08	4½"	✓			✓	B03	Plain bulb with rigid extension, no union			L03	10'	AE	-100/100°F
		C38	4½"		✓		✓	B08	Plain bulb with rigid extension, ½ NPT union on armor			L07	20'	AG	-40/180°F
		C16	6"	✓		✓		B17	18" Bendable extension with ½ NPT union connection			L09	30'	AK	20/240°F
								B18	24" Bendable extension with ½ NPT union connection			L13	50'	AL	50/300°F
									*Minimum recommended insertion length ("u" dimension) in liquids is 4 inches and in gases is 6 inches for standard ¾ x 3" bulb			L19	80'	AN	50/550°F
														AR	50/750°F
														AT	400/1200°F
														AY	-200/100°C
														BL	-80/40°C
														BN	-40/80°C
														BS	0/120°C
														BT	10/150°C
														BU	0/300°C
														BW	0/400°C
														BJ	200/650°C
														DUAL RANGES	
														CE	20/240°F
															0/120°C
														CF	50/550°F
															0/300°C
														DR	50/300°F
															10/150°C
														DT	-40/180°F
															-40/80°C

Note: Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.

Model 600A-04 Duratemp® Thermometer

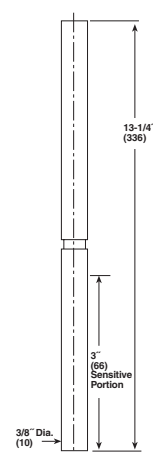
Case Dimensions



Dial Size Inches	A	B	C	D	E	F	J	L	M	S	V	AA	CC	LL	PP
4½	5 15/16 (148)	2 5/16 (59)	5 1/16 (129)	1 1/16 (25)	5 3/8 (137)	1 1/8 (41)	3/8 (14)	5/16 (5,5)	5 5/16 (148)	1 1/16 (37)	2 1/8 (67)	6 (154)	#10-32	3/16-3/8 (2)-(13)	#10-24 x ½
6	7 3/8 (194)	2 3/8 (60)	6 3/8 (129)	1 1/8 (27)	7 (178)	2 1/8 (54)	3/8 (16)	5/16 (7)	7 1/16 (5)	3/8 (5)	3 1/8 (89)	7 3/8 (197)	#10-32	3/16-3/8 (2)-(13)	¼-24 x ½

NOTE: Dimensions in inches, () are millimeters.

Bulb Style and Armor Dimensions

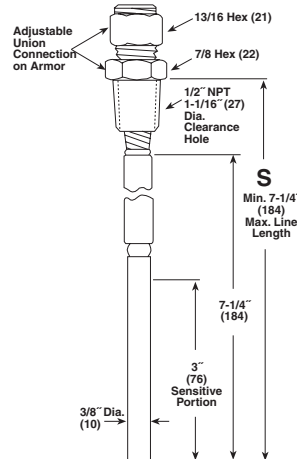


Style B03

13" plain bulb for applications used in open tanks where pressures and velocities are negligible.

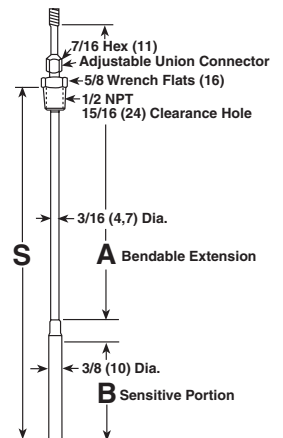
Armor Style A1

AISI 302 stainless steel spring armor is supplied as standard. Originally designed for U.S. Navy Hi Shock thermometers



Style B08

The compression fitting fastens anywhere along the armored line. This bulb style is well suited for insertion requirements in excess of 13 1/2". The B08 style is not a pressure tight connection. A thermowell is recommended for this style and for all bulb styles.



Style B01, B17 & B18

Are bendable extensions with union connections. B01 (12" bendable extension) is the standard Duratemp bulb style and is suitable for a variety of insertion lengths and lagging requirements. B17 is a 18" bendable extension, B18 is a 24" bendable extension. The union connection on all three styles is pressure tight and can be freely moved the entire length of the bendable portion. After installation, the bendable extension may be formed to suit the application.

Bulb Code	Bulb Size "B"	"A"	"S" Max.	"S" Min.
B01	3 (76)	12 (305)	15 (381)	4 (102)
B17	3 (76)	18 (457)	21 (533)	4 (102)
B18	3 (76)	24 (610)	27 (686)	4 (102)

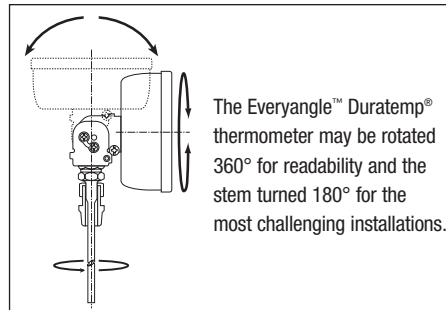
Model 600B Duratemp® Thermometer



FEATURES

- Exclusive movementless design resists shock and vibration – no gears to wear out – or misalign resulting in increased instrument life
- Gas-operated molecular sieve
- Mercury free
- 1% full-span accuracy
- Everyangle Duratemp® thermometer can be rotated 360° and can be angled 180°, ensuring readability in any installation
- Maxivision® dial
- Limited five-year warranty

The direct-reading thermometer (stainless steel case only) offers the same unique features of the Ashcroft® Duratemp® remote-reading thermometer for those critical applications where only a direct-connected instrument can be used. Available in 4½" dial size.



The Everyangle™ Duratemp® thermometer may be rotated 360° for readability and the stem turned 180° for the most challenging installations.

PRODUCT SPECIFICATIONS

- Model:** 600B-01
Accuracy: ±1% of span
Case Style: Stainless steel
Dial Size: 4½" Maxivision linear anti-parallax dial black markings on a white dial
Window: Glass, shatterproof glass and plastic are optional.
Mounting and Connection: Direct mount, fixed ½ union connection
Ambient Temperature: 160°F/71°C
Stem Material: 316 Stainless steel
Stem Length: 6", 9", 12", 15", 18", 24", 30" and 36"
Ranges: -320/200°F — 400/1200°F
 -200/100°C — 200/650°C
 Dual scale ranges available
Over Range: 125% of span
Product Options:

- Dial Markings **XDM**
- Externally adjustable red set hand **XEO**
- Externally adjustable **XEP**
- Externally adjustable min. pointer **XEQ**
- Non-glare glass **XNG**
- Paper Tag **XNN**
- Stainless steel tag **XNH**
- Plastic Window **XPD**
- Shatterproof glass **XSG**
- Stationary Red Hand Set **XSH**

Note: Thermowells must be used on any application where the bulb of the thermometer may be exposed to pressure, corrosive fluids, or velocity. Additionally, the use of a thermowell permits instrument interchangeability or recalibration without shutting down the process.

HOW TO ORDER

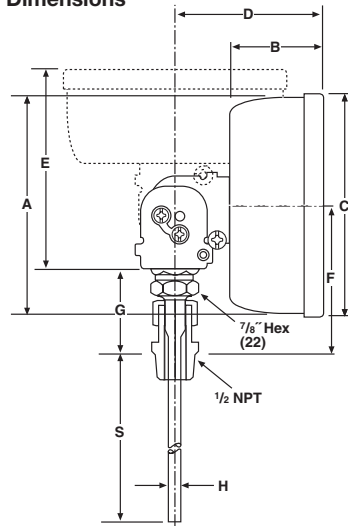
600B – **01** – **AB**

Type	Table 1		Table 2			
600B	CODE	STEM LENGTH	CODE	SINGLE RANGES	CODE	DUAL RANGES
D I R E C T M O U N T E D	01	Semirigid Stainless Steel 6"	AB	-320/200°F	CE	20/240°F 0/120°C
		Semirigid Stainless Steel 9"	AE	-100/100°F		
	02	Semirigid Stainless Steel 12"	AG	-40/180°F	CF	50/550°F 0/300°C
		Semirigid Stainless Steel 15"	AK	20/240°F		
	03	Semirigid Stainless Steel 18"	AL	50/300°F	DR	50/300°F 10/150°C
		Semirigid Stainless Steel 24"	AN	50/550°F		
	04	Semirigid Stainless Steel 30"	AR	50/750°F*	DT	-40/180°F -40/80°C
		Semirigid Stainless Steel 36"	AT	400/1200°F*		
			AY	-200/100°C		
			BL	-80/40°C		
			BN	-40/80°C		
			BS	0/120°C		
			BT	10/150°C		
			BU	0/300°C		
			BW	0/400°C*		
			BJ	200/650°C*		

*For these ranges a minimum "S" dimension (stem length) of 9 inches is required. This removes case from exposure to high temperature which may damage the instrument.

Model 600B Duratemp® Thermometer

Case Dimensions



Dial Size	A	B	C	D	E	F	G	H
4½	4½/₃₂ (120)	2½/₁₆ (52)	5½/₃₂ (128)	3¼/₁₆ (81)	4¼/₁₆ (122)	3 (76)	1 (25)	¾ (10)

NOTE: Dimensions in inches, () are millimeters.

FOR TEMPERATURES 750°F AND ABOVE USE WELL WITH 3" LAG		
S	Well Lag	U-Dimension (Insertion Length)
9 (229)	3	4½ (114)
12 (305)	3	7½ (191)
15 (381)	3	10½ (268)

FOR TEMPERATURES BELOW 750°F	
S	U-Dimension (Insertion Length)
6 (152)	4½ (114)
9 (229)	7½ (191)
12 (305)	10½ (268)