



**TEL-TRU
MANUFACTURING CO.**

World-Class Thermometers

Thermometers • Pressure Gauges • Transmitters • Accessory Products

**Price List TWP-07A
Effective 5/1/07**

THERMOWELLS

HOW TO ORDER:

Select the bore, model, stem length "A", material, process connection, and include options when required. Combine to complete your Thermowell description.

EXAMPLE: 260TW0, 6" stem, 316SS, 3/4" NPT

Bore Code	Model Code	Stem Length	Material Code	Process Connection
260	TW0	06	4	34

ORDERING CODES

Bore Codes	Material Codes	Process Connection Codes
.260 260	Carbon Steel ... 1	1/2" 12
.385 385	Brass 2	3/4" 34
	304SS 3	1" 01
	316SS 4	1 1/2" 15

Note: When ordering non-standard size specify insertion length "U".

TABLE 1

THREADED THERMOWELLS .260 Bore with Standard Stem and 'U' Length, No Lag.
(Stepped or tapered shank. Straight shank standard on insertion 2.5" and shorter)

Model & Stem Length Code Stepped or Tapered	Stem Length "A"	Insertion Length "U" No Lag	Process Connection 1/2" or 3/4" NPT			Process Connection 1" NPT		
			Brass	304SS	316SS	Brass	304SS	316SS
260TWA02 Limited Space	2 1/2"	* 1 5/8"	\$19.80	22.00	26.40	31.90	34.10	37.40
260TW004 or 260TWH04	4"	2 1/2"	\$22.00	24.20	33.00	39.60	39.60	46.20
260TW006 or 260TWH06	6"	4 1/2"	\$28.60	30.80	39.60	50.60	47.30	57.20
260TW009 or 260TWH09	9"	7 1/2"	\$46.20	51.70	61.60	67.10	70.40	79.20
260TW012 or 260TWH12	12"	10 1/2"	\$61.60	72.60	83.60	84.70	85.80	103.40
260TW015 or 260TWH15	15"	13 1/2"	\$78.10	92.40	107.80	POR	108.90	143.00
260TW018 or 260TWH18	18"	16 1/2"	\$94.60	112.20	140.80	POR	139.70	172.70
260TW024 or 260TWH24	24"	22 1/2"	\$116.60	151.80	199.10	POR	183.70	216.70

* Note the insertion length is 1" on the limited space Thermowell w/ 1/2" NPT process connection.

• Non-standard stem lengths use Table 2 next highest length. Contact factory for quote on longer lengths or other configurations not listed.

TABLE 2

THREADED THERMOWELLS .260 Bore with Non-Standard Stem or 'U', or 385 Bore
(Stepped, straight, or tapered shank)

Model & Stem Length Code No Lag Lag		Stem Length "A"	Insertion Length "U" No Lag Lag		Process Connection 1/2" or 3/4" NPT			Process Connection 1" NPT		
					Brass	304SS	316SS	Brass	304SS	316SS
385TW004	-	4"	2½"	-	\$22.00	24.20	33.00	39.60	39.60	46.20
385TWH04										
385TW006	260TWE06 260TWE06 385TWE06	6"	4½"	2½"	\$28.60	30.80	39.60	50.60	47.30	57.20
385TWH06	385TWE06									
385TW009	260TWE09 260TWE09 385TWE09	9"	7½"	4½"	\$46.20	51.70	61.60	67.10	70.40	79.20
385TWH09	385TWE09									
385TW012	260TWE12 260TWE12 385TWE12	12"	10½"	7½"	\$61.60	72.60	83.60	84.70	85.80	103.40
385TWH12	385TWE12									
385TW015	260TWE15 260TWE15 385TWE15	15"	13½"	10½"	POR	92.40	107.80	POR	108.90	143.00
385TWH15	385TWE15									
385TW018	260TWE18 260TWE18 385TWE18	18"	16½"	13½"	POR	112.20	140.80	POR	139.70	172.70
385TWH18	385TWE18									
385TW024	260TWE24 260TWE24 385TWE24	24"	22½"	19½"	POR	151.80	199.10	POR	183.70	203.50
385TWH24	385TWE24									
Each Additional 1" over 24" stem length & up to 42" Add					POR	8.80	11.00	POR	8.80	11.00

• Non-standard stem lengths use next highest length. Contact factory for quote on longer lengths or other configurations not listed.

NOTE: The customer is responsible for the final Thermowell selection and for choosing the Thermowell appropriate for their application requirements. See Tel-Tru thermowell brochure (TW1003) for complete details.

SOCKET WELD THERMOWELLS FOR 1/4" & 3/8" DIAMETER ELEMENTS

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U" No Lag	Process Connection 3/4"- 1.050" Weld Diameter			Process Connection 1"- 1.315" Weld Diameter		
			Brass	304SS	316SS	Brass	304SS	316SS
TWW04	4"	2 1/2"	\$22.00	24.20	33.00	39.60	39.60	46.20
TWW06	6"	4 1/2"	\$28.60	30.80	39.60	50.60	47.30	57.20
TWW09	9"	7 1/2"	\$46.20	51.70	61.60	67.10	70.40	79.20
TWW12	12"	10 1/2"	\$61.60	72.60	83.60	84.70	85.80	103.40
TWW15	15"	13 1/2"	POR	92.40	107.80	POR	108.90	143.00
TWW18	18"	16 1/2"	POR	112.20	140.80	POR	139.70	172.70
TWW24	24"	22 1/2"	POR	151.80	199.10	POR	183.70	216.70
Each Additional 1" over 24" stem length & up to 42" Add			POR	8.80	11.00	POR	8.80	11.00

- If Heavy Duty Wells are required, specify TWWH (use same pricing).
- See page 9 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.
- Use next highest length for non-standard length. Contact factory for quote on longer lengths or other configuration not listed.

WELD IN THERMOWELLS FOR 1/4" & 3/8" DIAMETER ELEMENTS

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U" No Lag	Process Connection 1 1/2" Thermowell Diameter		
			Brass	304SS	316SS
TWI04	4"	2 1/2"			
TWI06	6"	4 1/2"			
TWI09	9"	7 1/2"			
TWI12	12"	10 1/2"			
TWI15	15"	13 1/2"			
TWI18	18"	16 1/2"			
TWI24	24"	22 1/2"			

- See page 10 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.

VAN STONE THERMOWELLS FOR 1/4" & 3/8" DIAMETER ELEMENTS

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U" No Lag	Process Connection 1"- 1.315" Weld Diameter		Process Connection 1 1/2" - 1.900" Weld Diameter	
			304SS	316SS	304SS	316SS
TWV04	4"	2"				
TWV06	6"	4"				
TWV09	9"	7"				
TWV12	12"	10"				
TWV15	15"	13"				
TWV18	18"	16"				
TWV24	24"	22"				

- See page 11 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.

TEST THERMOWELLS FOR 3/8" DIAMETER ELEMENTS

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U" No Lag	Process Connection 1/2" NPT		
			Brass	304SS	316SS
TWT02	3 1/4"	2"			
TWT04	5 1/4"	4"			
TWT06	7 1/4"	6"			
TWT08	9 1/4"	8"			
TWT10	11 1/4"	10"			
TWT12	13 1/4"	12"			

NOTE:

- Test Thermowell pricing includes cap and chain.

- See page 5 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.

FLANGED THERMOWELL ORDERING CODES

Bore Codes	Model Code	Material Codes	Flange Size Codes	Pressure Rating Codes	Facing Codes
.260 260	Flanged TWF	Carbon Steel .. 1	1" 10	150# A	Flat Face (FF) F
.385 385	Flanged & Tapered	304SS 3	1½" 15	300# B	Ring Type Joint (RTJ) J
	Shank TWFH	316SS 4	2" 20	600# C	Raised Face (RF) R
				900# D	
				1500# E	

HOW TO ORDER FLANGED THERMOWELLS:

Select the bore, model, stem length "A", thermowell material, flange size, pressure rating, facing and flange material code (include options when required). Combine to complete your Flanged Thermowell description.

Note: When ordering non-standard size specify insertion length "U".

EXAMPLE: 385TWF, 9" stem, 316SS, 1½", 300#, RF, 304SS

Bore Code	Model Code	Stem Length	Material Code	Flange Size	Pressure Rating	Facing	Flange Material Code
385	TWF	09	4	15	B	R	3

FLANGED THERMOWELLS FOR 1/4" & 3/8" DIAMETER ELEMENTS (Straight or tapered shank)

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U" No Lag	Thermowell Material		Flange Size & Facing							
					Pressure Rating	Material Code	RF & FF			RTJ		
			304SS	316SS			1"	1½"	2"	1"	1½"	2"
TWF04 or TWFH04	4"	2"	\$24.20	33.00	150#	304SS	112.20	127.60	149.60			
						316SS	121.00	137.50	181.50			
TWF06 or TWFH06	6"	4"	\$30.80	39.60	300#	304SS	145.20	163.90	188.10			
						316SS	183.70	200.20	245.30			
TWF09 or TWFH09	9"	7"	\$51.70	61.60	600#	304SS	184.80	245.30	277.20			
						316SS	227.70	300.30	363.00			
TWF12 or TWFH12	12"	10"	\$72.60	83.60	900# - 1500#	304SS	249.70	349.80	488.40			
						316SS	387.20	482.90	664.40			
TWF18 or TWFH18	18"	16"	\$112.20	140.80								
TWF24 or TWFH24	24"	22"	\$151.80	199.10								
Each Additional 1" over 24" stem length & up to 42" Add			\$6.60	8.80	See page 7-8 of the TEL-TRU Thermowell brochure (TW1000) for complete product details.							

NOTE:

- COMBINE flange and thermowell prices to get total cost.
- Carbon Steel (C-1018) material request quote, consult factory.

STANDARD THREADED THERMOWELLS FOR GLASS INDUSTRIAL THERMOMETERS

- For pricing see most current Glass Industrial Thermometer price sheet.
- See page 6 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.

HOW TO ORDER SANITARY THERMOWELLS:

Select bore, model, stem length "A", material code, end cap size (process connection), and include options when required. Combine to complete your Sanitary Thermowell description.

Note: When ordering non-standard size specify insertion length "U".

EXAMPLE: 260TWS, 2 $\frac{1}{2}$ " stem, 304SS, 3" end cap

Bore Code	Model Code	Stem Length	Material Code	End Cap Size
260	TWS	02	334	30

ORDERING CODES

Bore Codes	Material Codes	End Cap Size Codes
.260 260	304SS 334	1-1 $\frac{1}{2}$ " 10
.385 385	316SS 434	2" 20
		2 $\frac{1}{2}$ " 25
		3" 30
		4" 40

SANITARY THERMOWELLS FOR 1/4" & 3/8" DIAMETER ELEMENTS

Model & Stem Length Code No Lag	Stem Length "A"	Insertion Length "U"	Material 304SS End Cap Sizes					Material 316SS End Cap Sizes				
			1" - 1 $\frac{1}{2}$ "	2"	2 $\frac{1}{2}$ "	3"	4"	1" - 1 $\frac{1}{2}$ "	2"	2 $\frac{1}{2}$ "	3"	4"
TWS02	2 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "										
TWS04	4"	2 $\frac{1}{2}$ "										
TWS06	6"	4 $\frac{1}{2}$ "										
TWS09	9"	7 $\frac{1}{2}$ "										
TWS12	12"	10 $\frac{1}{2}$ "										
TWS15	15"	13 $\frac{1}{2}$ "										
TWS18	18"	16 $\frac{1}{2}$ "										
TWS24	24"	22 $\frac{1}{2}$ "										

- See page 12 of the TEL-TRU Thermowell brochure (TW1003) for complete product details.

THERMOWELL PRICING FOR OTHER ALLOYS

- Prices available upon request

THERMOWELL ACCESSORIES

- Adapter Kit part# TWAS-86 - For pricing see most current Bimetal Thermometer price list.
- Protecting Tubes - Price available upon request.
- Tantalum Jackets - Price available upon request.
- Cap and Chain - 304 Stainless Steel \$17.47

THERMOWELL OPTIONS - PRICING ON OPTIONS AVAILABLE UPON REQUEST

- Thread Sizes - Internal
- Thread Sizes - External
- Finishing and Coating
- Heat Treating, Annealing and Cleaning
- Testing and Documentation
- Other Materials Available
- Stamping

NOTE: The customer is responsible for the final Thermowell selection and for choosing the Thermowell appropriate for their application requirements.

Download product catalogs from our website
www.teltru.com



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