



**Measurement
Solutions LLC**

TEMPERATURE MEASUREMENT & CONTROL



SERVICES

- Sensor design and manufacturing
- Contract manufacturing
- N.I.S.T. calibration and repair
- Control systems design
- Consulting, validation and installation
- Gas combustion



LARGE INVENTORY

- Thermocouple, RTD and Thermistor Probes
- Wire, Connectors, Heads, Blocks, Panel Jacks
- Controllers, Indicators and Panel Meters
- Electric Heating Elements
- SCR and SSR



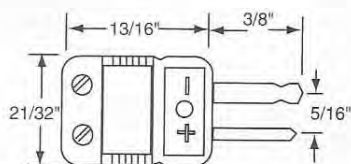
Measurement Solutions
480-897-0300
info@measol.com
www.MEASOL.com

Hardware

Connectors

Miniature Connectors (Flat Pin)										
			Sub-Miniature		Sub-Mini Ceramic Glazed Color Code Dot		Sub-Mini Unglazed Color Code Dot		3-Prong Miniature	
T/C Code	Thermocouple Type	Shell Color	Female SMP-*-F	Male SMP-*-M	Female SHX-*-F	Male SHX-*-M	Female USHX-*-F	Male USHX-*-M	Female MTP-*-F	Male MTP-*-M
K	Chromel-Alumel	Yellow	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	\$3.00	\$2.50
T	Copper-Constantan	Blue	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	\$3.00	\$2.50
J	Iron-Constantan	Black	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	\$3.00	\$2.50
E	Chromel-Constantan	Purple	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	\$3.00	\$2.50
R	PT - PT13%Rh	Green	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	N/A	N/A
S	PT - PT10%Rh	Green	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	N/A	N/A
U*	Uncompensated	White	\$2.25	\$1.75	\$6.50	\$5.50	\$6.50	\$5.50	\$3.00	\$2.50
N	Nicrosil - Nisil	Orange	\$3.40	\$2.60	\$9.25	\$7.75	\$9.25	\$7.75	\$4.50	\$3.75

* Uncompensated used with type B (PT13%Rh-PT30%Rh), 3-prong type also used with RTDs and 3-wire thermistors.

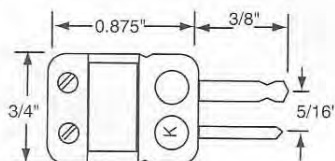


Sub-Miniature Male Connector Style SMP
(Mates with both miniature and sub-miniature connectors)

Style SMP Connectors

- Rugged glass-filled nylon shell rated to 425°F (218°C)
- Accepts up to 20 AWG wire
- Color-coded
- High purity thermocouple alloy pins and sockets

Body of female is 1" long

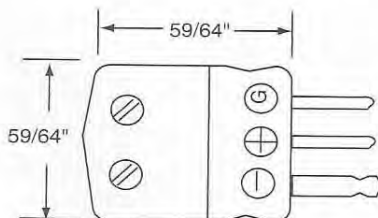


Mini Ceramic Male Connector Style SHX and USHX

Style SHX and USHX Connectors

- Extra heavy duty alumina ceramic construction
- Style SHX has permanent color coded dot
- Style USHX has removable paper color coded dot and is ideal for applications such as high vacuum furnaces where contamination could adversely affect the process
- Type J, K and E connectors can be used up to 1200°F (650°C), type T up to 750°F (390°C), noble metal and refractory metal alloys limited by compensating alloys to 500°F (260°C)

Body of female is 1-1/16" long



3-Prong Mini Male Connector Style MTP

Style MTP Connectors

- Rugged glass-filled nylon shell rated to 425°F (218°C)
- Color coded
- High purity thermocouple alloy pins and sockets

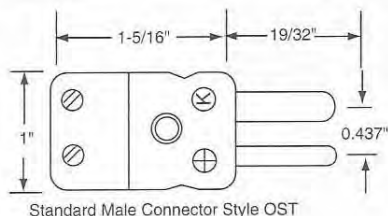
Body of female is 1-1/16" long

Hardware

Standard Size Connectors (Round Pin)

T/C Code	Thermocouple Type	Shell Color	Standard Size		Ceramic-Glazed Color Coded Dot		Ceramic-Unglazed		3-Prong Heavy Duty	
			Female OST [*] -F	Male OST [*] -M	Female NHX [*] -F	Male NHX [*] -M	Female UHX [*] -F	Male UHX [*] -M	Female OTP [*] -F	Male OTP [*] -M
K	Chromel-Alumel	Yellow	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	\$5.50	\$3.50
T	Copper-Constantan	Blue	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	\$5.50	\$3.50
J	Iron-Constantan	Black	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	\$5.50	\$3.50
E	Chromel-Constantan	Purple	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	\$5.50	\$3.50
R	PT - PT13%Rh	Green	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	N/A	N/A
S	PT - PT10%Rh	Green	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	N/A	N/A
U [*]	Uncompensated	White	\$3.40	\$2.25	\$7.00	\$8.00	\$7.00	\$8.00	\$5.50	\$3.50
N	Nicrosil - Nisil	Orange	\$5.10	\$3.40	\$10.50	\$12.00	\$10.50	\$12.00	\$8.36	\$5.25

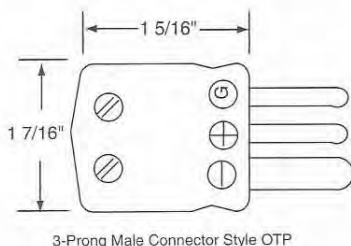
* Uncompensated used with type B (PT6%Rh - PT30%Rh), 3-prong type also used for RTD and 3-wire thermistors.



Style OST Connectors

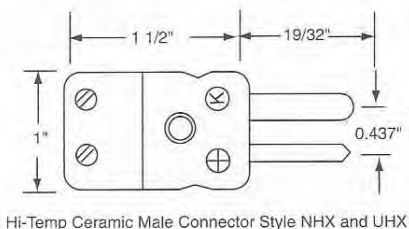
- Rugged glass-filled nylon shell rated to 425°F (218°C)
- Accepts up to 14 AWG wire
- Color-coded
- High purity thermocouple alloy pins and sockets

Note: Body of female is same size as male



Style OTP Connectors

- Rugged glass-filled nylon shell rated to 425°F (218°C)
- Color coded
- High purity thermocouple alloy pins and sockets



Style NHX and UHX Connectors

- Extra heavy duty alumina ceramic construction
- Style NHX has permanent color coded dot
- Style UHX has removable paper color coded dot and is ideal for applications such as high vacuum furnaces where contamination could adversely affect the process
- Type J, K and E connectors can be used up to 1200°F (650°C), type T up to 750°F (390°C), noble metal and refractory metal alloys limited by compensating alloys to 500°F (260°C)

Note: Body of female is same size as male

Accessory Hardware

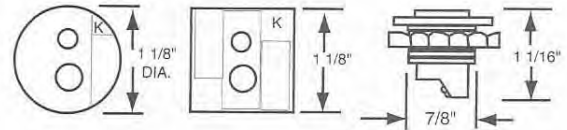
Cable Clamp (for OST & OTP connectors)	PCLM	\$1.00
Cable Clamp (for NHX & UHX connectors)	PCLM-NHX	\$1.50
Tube Clamp (for OST & OTP connectors)	XBRLK-(*)	\$3.00
Tube Clamp (for NHX & UHX connectors)	XBRLK-(*)-NHX	\$3.00

(* Insert probe dia. 116, 18, 316 or 14)

Hardware

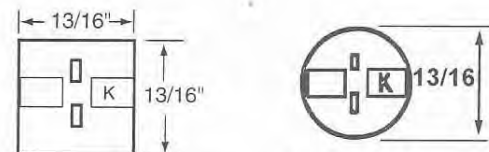
Panel Jacks

Standard Size Round Hole Panel Jacks				
T/C Code	Color	Square Face	Round Face	Price
K	Yellow	RSJ-K-S	RSJ-K-R	\$2.25
T	Blue	RSJ-T-S	RSJ-T-R	
J	Black	RSJ-J-S	RSJ-J-R	
E	Purple	RSJ-E-S	RSJ-E-R	
R/S	Green	RSJ-R/S-S	RSJ-R/S-R	
U	White	RSJ-U-S	RSJ-U-R	



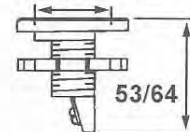
- 7/8" dia. cutout, 1-1/8" dia. bezel
- Mounts in round or "D" punch holes
- Round or square bezel to match your panel
- Color coded

Miniature Size Round Hole Panel Jacks				
T/C Code	Color	Square Face	Round Face	Price
K	Yellow	RMJ-K-S	RMJ-K-R	\$1.95
T	Blue	RMJ-T-S	RMJ-T-R	
J	Black	RMJ-J-S	RMJ-J-R	
E	Purple	RMJ-E-S	RMJ-E-R	
R/S	Green	RMJ-R/S-S	RMJ-R/S-R	
U	White	RSJ-U-S	RMJ-U-R	

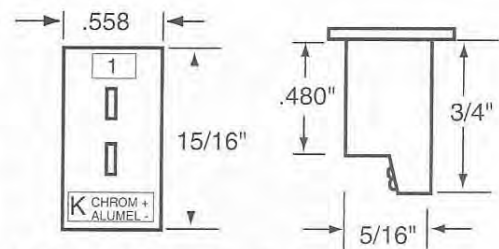


- 5/8" dia. cutout, 13/16" dia. bezel
- Mounts in round or "D" punch holes
- Round or square bezel to match your panel
- Color coded

5/8 Panel Hole

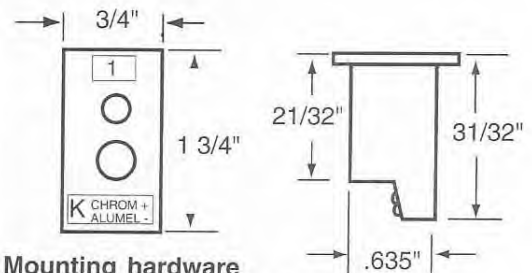


Miniature Panel Jacks					
T/C Code	Alloy +	Alloy -	Color	Part Number	Price
K	Chromel	Alumel	Yellow	MPJ-K-F	\$2.25
T	Copper	Constantan	Blue	MPJ-T-F	2.25
J	Iron	Constantan	Black	MPJ-J-F	2.25
E	Chromel	Constantan	Purple	MPJ-E-F	2.25
R/S	Copper	Alloy #11	Green	MPJ-R/S-F	2.25
C	Alloy #405	Alloy #426	Red	MPJ-C-F	2.25
U	Copper	Copper	White	MPJ-U-F	2.25



- 0.318" x 0.656" cutout required
- 0.562" centers horizontally
- 0.938" centers row to row minimum
- Spring clip included

Standard Panel Jacks					
T/C Code	Alloy +	Alloy -	Color	Part Number	Price
K	Chromel	Alumel	Yellow	SPJ-K-F	\$4.25
T	Copper	Constantan	Blue	SPJ-T-F	4.25
J	Iron	Constantan	Black	SPJ-J-F	4.25
E	Chromel	Constantan	Purple	SPJ-E-F	4.25
R/S	Copper	Alloy #11	Green	SPJ-R/S-F	4.25
C	Alloy #405	Alloy #426	Red	SPJ-C-F	11.25
U	Copper	Copper	White	SPJ-U-F	4.25



- Mounting hardware has been eliminated by including the retaining clip as a part of the body design.
- Simply snap into a 1.195" x 0.635" cutout.

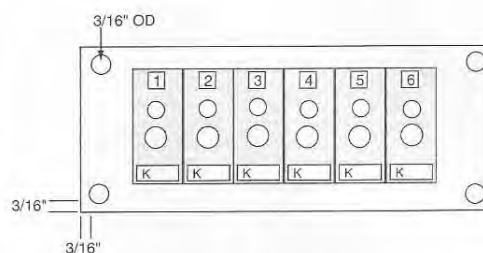
Hardware

Jack Panels

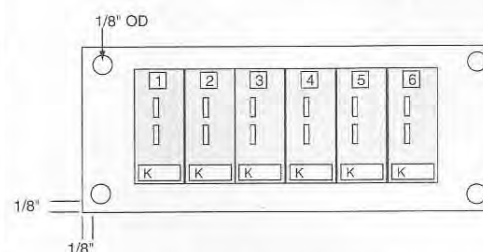
Standard Jack Panels					
Circuits Per Row		1 Row (2 5/8"H)	2 Rows (4 3/8"H)	3 Rows (6 5/8"H)	4 Rows (8"H)
6 (5 3/4"L)	P/N Price	SJP-1-6-(*) \$45.50	SJP-2-12-(*) \$70.84	SJP-3-18-(*) \$98.76	SJP-4-24-(*) \$126.68
12 (10 1/4"L)	P/N Price	SJP-1-12-(*) \$65.84	SJP-2-24-(*) \$116.68	SJP-3-36-(*) \$159.96	SJP-4-48-(*) \$208.28
18 (14 3/4"L)	P/N Price	SJP-1-18-(*) \$88.76	SJP-2-36-(*) \$154.96	SJP-3-54-(*) \$213.60	SJP-4-72-(*) \$279.80

Miniature Jack Panels					
Circuits Per Row		1 Row (1 3/4"H)	2 Rows (3 1/4"H)	3 Rows (4 1/4"H)	4 Rows (5 1/4"H)
6 (4 3/8"L)	P/N Price	MJP-1-6-(*) \$33.50	MJP-2-12-(*) \$44.30	MJP-3-18-(*) \$61.45	MJP-4-24-(*) \$73.60
12 (8 1/8"L)	P/N Price	MJP-1-12-(*) \$44.30	MJP-2-24-(*) \$68.60	MJP-3-36-(*) \$93.85	MJP-4-48-(*) \$116.80
18 (11 7/8"L)	P/N Price	MJP-1-18-(*) \$56.45	MJP-2-36-(*) \$88.85	MJP-3-54-(*) \$122.20	MJP-4-72-(*) \$154.60

* Specify calibration type: J, K, T, E, R, S or U



- Fully Assembled
- Snap-In Jacks
- Numbered Circuits
- Rugged 3/32" Anodized Panels



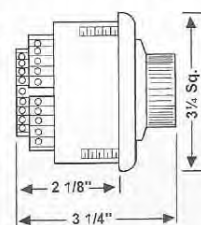
19" jack panels also available

Switches

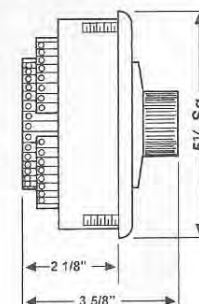
(FOR THERMOCOUPLE, RTD AND THERMISTOR)

No. Positions	Size	Silver Plated Contacts		Gold Plated Contacts	
		Part Number	Price	Part Number	Price
2	3"	OSW3-2	\$95.00	OSWG3-2	\$142.00
3		OSW3-3	\$97.00	OSWG3-3	\$145.00
4		OSW3-4	\$99.00	OSWG3-4	\$148.00
5		OSW3-5	\$102.00	OSWG3-5	\$153.00
6		OSW3-6	\$104.00	OSWG3-6	\$156.00
8		OSW3-8	\$108.00	OSWG3-8	\$162.00
9		OSW3-9	\$111.00	OSWG3-9	\$166.00
10		OSW3-10	\$113.00	OSWG3-10	\$169.00
12		OSW3-12	\$118.00	OSWG3-12	\$177.00
14		OSW3-14	\$122.00	OSWG3-14	\$183.00
16		OSW3-16	\$127.00	OSWG3-16	\$190.00
18		OSW3-18	\$131.00	OSWG3-18	\$196.00
20	5"	OSW3-20	\$136.00	OSWG3-20	\$204.00
24		OSW5-24	\$145.00	OSWG5-24	\$217.00
28		OSW5-28	\$154.00	OSWG5-28	\$231.00
30		OSW5-30	\$158.00	OSWG5-30	\$237.00
32		OSW5-32	\$162.00	OSWG5-32	\$243.00
36		OSW5-36	\$171.00	OSWG5-36	\$256.00
40		OSW5-40	\$185.00	OSWG5-40	\$277.00

- Available in 2 to 40 positions.
- Silver plated or gold plated blades and contacts with self cleaning wiper action and low contact resistance.
- 2-pole with "Off" position.
- Terminals are silver plated brass with circuits numbered and polarity identified.
- High impact GE Noryl case.
- "Off" position has terminals available for shorting input circuit when using it with a digital meter.



OSW3-



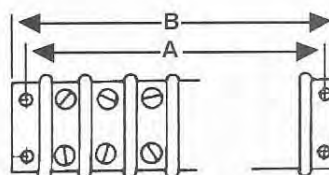
OSW5-

Hardware

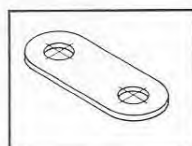
Terminal Blocks, Spade Lugs, Compression Fittings

TERMINAL BLOCKS

No. of Terminals	Part Number	Dimensions		Price Each
		A	B	
2	BS2	1-5/16"	1-5/8"	\$2.00
3	BS3	1-3/4"	2-1/16"	\$2.00
4	BS4	2-3/16"	2-1/2"	\$2.00
5	BS5	2-5/8"	2-15/16"	\$3.00
6	BS6	3-1/16"	3-3/8"	\$3.00
8	BS8	3-15/16"	4-1/4"	\$4.00
10	BS10	4-13/16"	5-1/8"	\$5.00
12	BS12	5-11/16"	6"	\$6.00
16	BS16	7-7/16"	7-3/4"	\$8.00
20	BS20	9-5/8"	9-15/16"	\$9.00



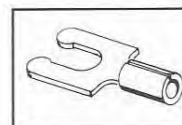
For compensated terminal blocks use with terminal lugs below.



For #6-32 screws with 27/64" spacing

TERMINAL LUGS

Part Number	Type	Price
H200CH	Chromel	\$0.50 each or \$30/c
H200AL	Alumel	
H200IR	Iron	
H200CO	Constantan	
H200CP	Copper	
H20011	Alloy #11	



For AWG 18 and smaller wire. Screw opening 0.160"

SPADE LUGS

Part Number	Type	Price
H210CH	Chromel	\$0.65 each or \$40/c
H210AL	Alumel	
H210IR	Iron	
H210CO	Constantan	
H210CP	Copper	
H21011	Alloy #11	

COMPRESSION FITTINGS

Bore	Male Thread NPT	SS P/N	Price	Brass P/N	Price
1/16"	1/16"	11FH4BZSS	14.50	11FH4BZBR	
1/16"	1/8"	12FH4BZSS	14.00	12FH4BZBR	4.75
1/8"	1/8"	22FH4BZSS	8.50	22FH4BZBR	3.00
1/8"	1/4"	24FH4BZSS	10.95	24FH4BZBR	3.50
3/16"	1/8"	32FH4BZSS	8.50	32FH4BZBR	3.00
3/16"	1/4"	34FH4BZSS	10.00	34FH4BZBR	3.50
1/4"	1/8"	42FH4BZSS	8.00	42FH4BZBR	3.00
1/4"	1/4"	44FH4BZSS	8.50	44FH4BZBR	3.00
1/4"	3/8"	46FH4BZSS	12.00		
1/4"	1/2"	48FH4BZSS	17.00	48FH4BZBR	6.00
3/8"	1/4"	64FH4BZSS	12.00	64FH4BZBR	4.00



REPLACEMENT FERRULES

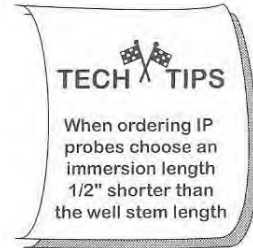
Size	Part Number		
	SS \$3.00 EA.	Brass \$1.00 EA.	Teflon \$4.00 EA.
1/16"	1TZSS	1TZBR	1TZT
1/8"	2TZSS	2TZBR	2TZT
3/16"	3TZSS	3TZBR	3TZT
1/4"	4TZSS	4TZBR	4TZT

Hardware

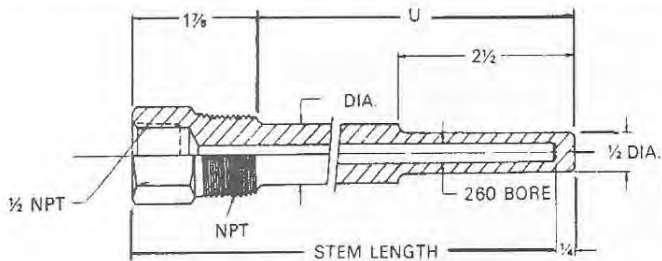
Thermowells

Standard Thermowells

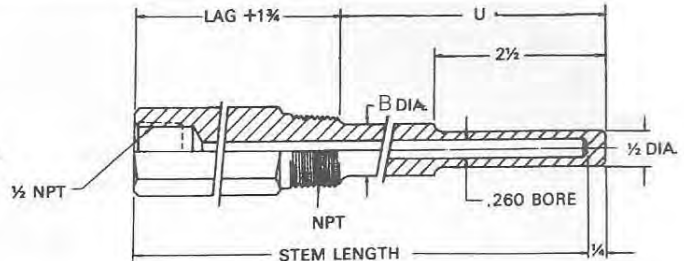
External Thread	Part Number	U Length	Stem Length	B Diameter	304SS	316SS	Brass	Carbon Steel
1/2"	1/2U250-*	2-1/2	4	5/8"	22.00	29.70	16.00	16.00
	1/2U450-*	4-1/2	6		26.10	35.50	19.80	19.80
	1/2U750-*	7-1/2	9		39.20	52.80	31.00	31.00
	1/2U1050-*	10-1/2	12		47.20	64.20	40.50	40.50
	1/2U1350-*	13-1/2	15		68.40	91.90	52.50	52.50
	1/2U1650-*	16-1/2	18		80.80	109.50	62.80	62.80
	1/2U2250-*	22-1/2	24		104.90	141.00	73.20	73.20
3/4"	3/4U250-*	2-1/2	4	3/4"	22.10	29.80	16.40	16.40
	3/4U450-*	4-1/2	6		26.10	34.90	19.80	19.80
	3/4U750-*	7-1/2	9		39.00	52.40	30.70	30.70
	3/4U1050-*	10-1/2	12		47.80	64.20	40.00	40.00
	3/4U1350-*	13-1/2	15		68.50	92.80	52.40	52.40
	3/4U1650-*	16-1/2	18		81.70	109.80	61.80	61.80
	3/4U2250-*	22-1/2	24		104.80	141.50	72.50	72.50
1"	1U250-*	2-1/2	4	7/8"	28.50	35.20	21.80	21.80
	1U450-*	4-1/2	6		36.20	48.60	25.90	25.90
	1U750-*	7-1/2	9		46.90	64.20	33.90	33.90
	1U1050-*	10-1/2	12		58.70	78.90	45.10	45.10
	1U1350-*	13-1/2	15		81.90	110.30	60.00	60.00
	1U1650-*	16-1/2	18		96.50	128.90	70.50	70.50
	1U2250-*	22-1/2	24		131.80	162.50	81.80	81.80



*Specify material after part number.
Example: 1/2U450-316ss
Price: \$35.50



Standard Well



Lagging Well

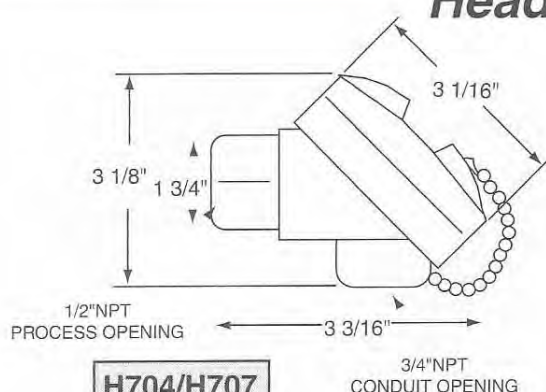
Lagging Thermowells

External Thread	Part Number	Lag Length	U Length	Stem Length	B Diameter	304SS	316SS	Brass	Carbon Steel
1/2"	1/2LU250-*	2	2-1/2	6	5/8"	25.50	35.30	19.00	19.00
	1/2LU450-*	3	4-1/2	9		38.20	52.75	30.80	30.80
	1/2LU750-*	3	7-1/2	12		46.10	63.90	40.20	40.20
	1/2LU1050-*	3	10-1/2	15		66.80	92.10	51.90	51.90
	1/2LU1350-*	3	13-1/2	18		79.70	108.70	62.50	62.50
	1/2LU1950-*	3	19-1/2	24		102.00	142.40	72.80	72.80
3/4"	3/4LU250-*	2	2-1/2	6	3/4"	25.70	35.60	19.00	19.00
	3/4LU450-*	3	4-1/2	9		38.40	52.90	30.80	30.80
	3/4LU750-*	3	7-1/2	12		46.40	64.20	40.20	40.20
	3/4LU1050-*	3	10-1/2	15		66.90	92.30	51.90	51.90
	3/4LU1350-*	3	13-1/2	18		79.90	109.00	62.50	62.50
	3/4LU1950-*	3	19-1/2	24		102.20	142.70	72.80	72.80
1"	1LU250-*	2	2-1/2	6	7/8"	36.40	47.90	26.40	26.40
	1LU450-*	3	4-1/2	9		47.30	64.20	34.10	34.10
	1LU750-*	3	7-1/2	12		58.90	78.80	45.30	45.30
	1LU1050-*	3	10-1/2	15		81.80	110.10	59.90	59.90
	1LU1350-*	3	13-1/2	18		95.50	128.70	68.90	68.90
	1LU1950-*	3	19-1/2	24		129.80	163.50	81.60	81.60

*Specify material after part number
Example: 1/2LU450-316SS Price: \$52.75

Hardware

Heads and Blocks

**H704/H707**

Cast Aluminum/Cast Iron Heads

For Heads With No Transmitter or Non-isolated Transmitter:

H704 Die Cast Aluminum ... \$19.95
H707 Cast Iron Head \$19.80

Terminal Block (order seperately):

H741 2-term. \$5.00
H742 4-term. \$7.40

For Heads With Isolated Transmitter

***XL4000** Aluminum Head ... \$29.75
***XL3000** Iron Head \$27.85

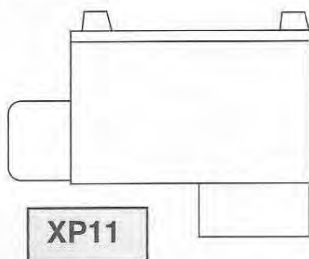
Terminal Block (order seperately):

TH2730D (dual) \$7.25

Transmitter Mounting Kit:

81500601 \$3.45

** not pictured*

**XP11**

*Explosion Proof Head

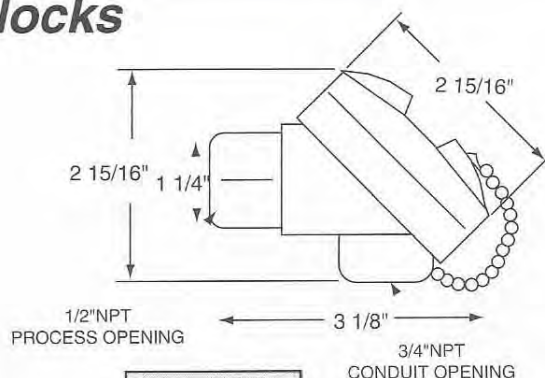
XP11 \$51.15
 3/4" NPT process x 3/4" NPT conduit
 Approx. dimensions: 4"H x 2-1/4"L x 3"W

Terminal Block (order seperately):

TH615 (6 terminals) \$5.60

Transmitter Mounting Kit:

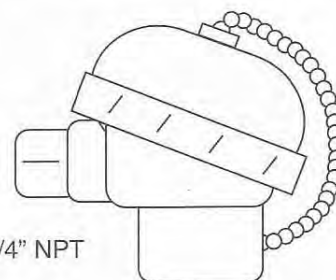
81500101 \$14.60

**H781-3**

Polypropylene Heads

For Heads With No Transmitter or Non-isolated Transmitter:

White FDA approved polypropylene.
 Continuous temperature rating of 198°F.
 Supplied with 3 self-contained terminals.
H781-3 \$19.95

**RT30-WHT**

For Heads With Isolated Transmitter:

RT30-WHT White poly head \$30.00

Terminal Block (order seperately):

50500701 (single block) \$5.55
50500801 (dual block) \$6.95

Transmitter Mounting Kit:

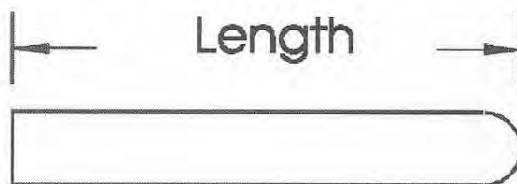
81500101 \$3.45

**For hazardous locations. UL listed Class 1, Groups C, D; Class 2, Groups E,F; Class 3, all groups. Also CSA Class I, Group C,D; Class II, Groups E, F; and Class III*

Miniture heads and other styles available. Consult sales for details

Hardware

Alumina and Mullite Protection Tubes



OD	ID	ALUMINA PRICE				MULLITE PRICE		
		6"	12"	18"	24"	12"	18"	24"
1/8"	1/16"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
5/32"	5/64"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
3/16"	1/8"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
1/4"	5/32"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
1/4"	3/16"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
5/16"	3/16"	\$20.00	\$27.00	\$40.00	\$54.00	\$14.00	\$21.00	\$28.00
7/16"	5/16"	\$25.00	\$32.00	\$48.00	\$64.00			
1/2"	5/16"	\$20.00	\$27.00	\$40.00	\$54.00			
1/2"	3/8"	\$23.00	\$29.00	\$43.00	\$57.00			
11/16"	7/16"	\$23.00	\$29.00	\$43.00	\$57.00			
3/4"	1/2"	\$22.00	\$28.00	\$42.00	\$56.00			
7/8"	5/8"	\$30.00	\$40.00	\$60.00	\$80.00			
1 1/8"	7/8"	\$40.00	\$50.00	\$75.00	\$100.00			

TECH TIPS

Mullite is used for most T/C applications. Alumina is recommended for use with platinum, tungsten and moly alloys.

Ordering:

To order specify the part number as follows:

Mat'l - size (ID/OD) - length

Example: AT3812-18

In this example the material is Alumina, 3/8" inside diameter, 1/2" outside diameter, 18" long, the price would be \$43.

AT = Alumina Tube (max. air temp. 3450°F/1900°C)

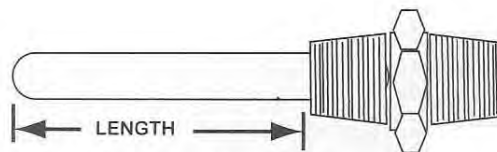
MT = Mullite Tube (max. air temp. 3100°F/1700°C)

Fittings:

When ordering tubes with fittings specify the fitting code after the part number and add \$30:

A = 1/2" NPT x 1/2" NPT SS; fits tubes from 1/8" to 5/16"

D = 1/2" NPT SS single threaded; fits tubes from 1/8" to 5/16"



Shown with 1/2"x1/2" NPT fitting

Example: MT31614-12-A

In this example the material is Mullite, 3/16" inside diameter, 1/4" outside diameter, 12" immersion length, with 1/2" x 1/2" NPT SS fitting, the price would be \$44.

Services

Special Services

Calibration

N.I.S.T. traceable calibration is available on many of the sensors and instruments supplied by Therm-x. Beaded wire thermocouples and insertion probes from .040" through .250" with a minimum sheath length of 6" can be calibrated from -20° C through 900° C. at the prices listed below. For other sizes and temperature ranges consult sales. For instrument calibration, ask sales at time of order if the standard rate applies.

Standard Sensor calibration charge

Setup	Per point
\$50.00	\$10.00

Standard instrument calibration charge

Setup	Per instrument
\$25.00	\$10.00

Field Service

Normal Rate	Mon - Fri	\$760.00 daily / \$95.00 hourly
	Sat	\$1136.00 daily / \$142.00 hourly
	Sun	\$1520.00 daily / \$190.00 hourly
Overtime	Mon - Fri	1.5 x Normal Rate
(After 8 hours)	Sat	2 x Normal Rate
	Sun	3 x Normal Rate
* Minimum Charge		2 Hours
*Mileage charge		.61 per mile