

## **SHEATH WITH WELDED PROCESS MOUNTING**

### **How to build a part number:**

To order an Applied Sensor Technologies temperature sensor, select the requirements for the categories listed below and fill in the corresponding boxes with your selection. Don't see exactly what you need? Give us a call!

SENSOR TYPE	ASSEMBLY STYLE	SHEATH DIAMETER	SHEATH MATERIAL	CALIBRATION	HOT JUNCTION	SHEATH LENGTH	LEADWIRE LENGTH	OPTIONS

#### **SENSOR TYPE**

**MI** – Mineral insulated thermocouple

#### **ASSEMBLY STYLE**

**23P** – Sheath with **single-sided process mounting**; fiberglass insulated conductors; fiberglass jacket; 1/2" NPT stainless steel connection with leadwire

**23I** – Sheath with **single-sided instrument mounting**; fiberglass insulated conductors; fiberglass jacket; 1/2" NPT stainless steel connection with leadwire

**24** – Sheath with **double-sided hex fitting**; fiberglass insulated conductors and jacket; 1/2" NPT stainless steel connection with leadwire

#### **SHEATH DIAMETER** (in inches)

**4** – 1/8 (0.125)

**6** – 3/16 (0.188)

**7** – 1/4 (0.250)

**9** – 3/8 (0.375)

#### **SHEATH MATERIAL**

**3** – 316 stainless steel

**5** – Inconel® 600

#### **CALIBRATION** – Standard limits

**J** – Single J      **JJ** – Dual J

**K** – Single K      **KK** – Dual K

**T** – Single T      **TT** – Dual T

**E** – Single E      **EE** – Dual E

Special limits are available – consult AST

#### **HOT JUNCTION**

**G** – Grounded junction

**U** – Ungrounded junction

**E** – Exposed junction

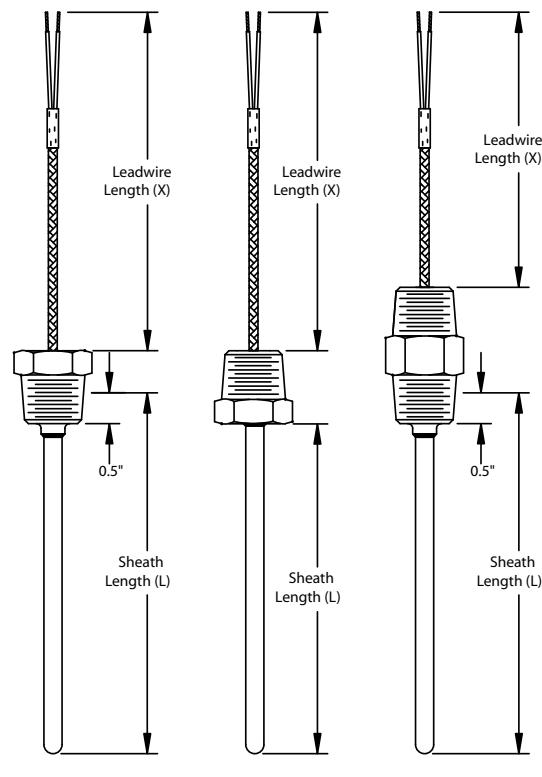
**SHEATH LENGTH** (Note: lengths over L84 will be shipped coiled unless otherwise specified at time of order)

**L#** – (e.g., L6 = 6 inch sheath, L12.5 = 12.5 inch length)

#### **LEADWIRE LENGTH**

**X#** – (e.g., X72 = 72 inch length)

**OPTIONS** – see page 1-17b



## STYLE 23I, 23P, 24

### AVAILABLE OPTIONS and MODIFICATIONS

ASSEMBLY OPTIONS	
Option Code	Description
TAG1	Stainless steel tag and wire
B90-	90° bend in sheath [specify length from tip in inches e.g., B90-6)
B45-	45° bend in sheath (specify length from tip in inches e.g., B45-6)
CAL1	NIST traceable calibration [specify point(s)]
CRT1	Certificate of conformance
HT10	High temperature (900°F) transition. (Standard transition rated 500°F/260°C)

WIRING CONNECTION OPTIONS	
Option Code	Description
WC76	#6 spade terminals, plated copper
WC70	#10 spade terminals, plated copper
WC84	1/4" push-on insulated terminals, plated copper
WC90	#10 ring terminals
WC98	#8 ring terminals
<b>PLUGS AND JACKS</b> (Note: plug is designed to be attached to sensor assemblies. Jack options – for customer wiring – should only be specified if plug option is also included. Cable clamp is included for both plug and jack options.)	
PJ10	Standard plug, rated to 177°C (350°F)
PJ20	Standard jack, rated to 177°C (350°F)
PJ30	Miniature plug, rated to 177°C (350°F)
PJ40	Miniature jack, rated to 177°C (350°F)
PJ50	High temp. standard plug, rated to 260°C (500°F)
PJ60	High temp. standard jack, rated to 260°C (500°F)
<b>WELD PADS (Style 23I only)</b>	
WP00	Horizontal pad/flat
WP10	1" nominal pipe size
WP15	1.5" nominal pipe size
WP20	2" nominal pipe size
WP25	2.5" nominal pipe size
WP30	3" nominal pipe size
WP35	3.5" nominal pipe size
WP40	4" nominal pipe size