

## **SHEATH WITH WELDED PROCESS CONNECTION AND ATEX-APPROVED TERMINAL HEAD**

### **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	OPTIONS

#### **SENSOR TYPE**

**MI** – Mineral insulated thermocouple

#### **ASSEMBLY STYLE**

##### **22 – Sheath with cast aluminum head and 1/2" NPT welded stainless steel process**

**connection**; head ATEX approved for EEx d IIC; IP66 to 68; screw cover with chain and gasketed o-ring, meets NEMA 4X; ceramic terminal block; 3/4" NPT conduit connection; internal and external ground screws (Note: for spring-loaded fitting, see Style 75 and add optional head). Note: Approval applies to terminal head only.

#### **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**

<b>J</b> – Single J	<b>JJ</b> – Dual J
<b>K</b> – Single K	<b>KK</b> – Dual K
<b>T</b> – Single T	<b>TT</b> – Dual T
<b>E</b> – Single E	<b>EE</b> – Dual E

*Special limits are available – consult AST*

#### **HOT JUNCTION**

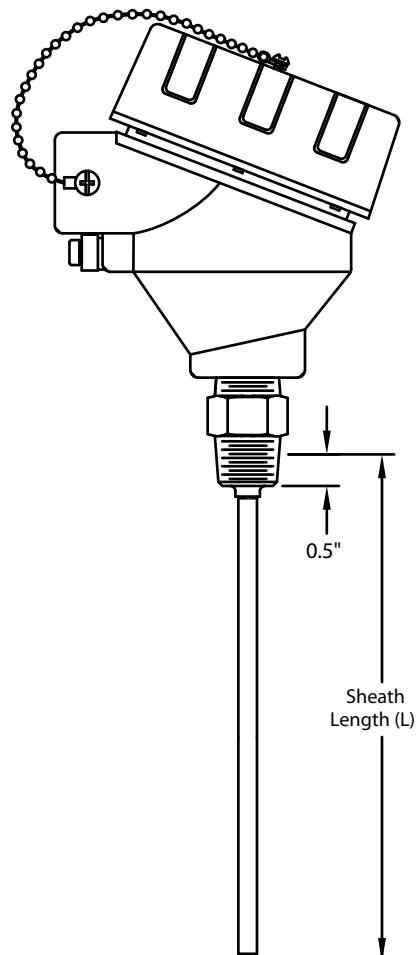
- G** – Grounded junction
- U** – Ungrounded junction
- E** – Exposed junction

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

#### **SHEATH LENGTH**

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

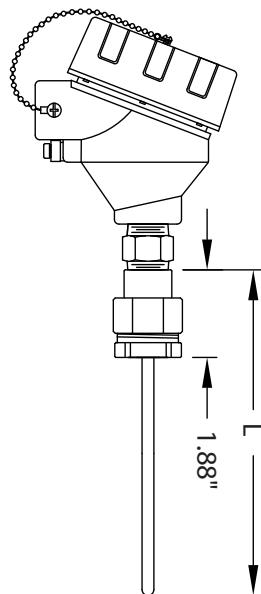
#### **OPTIONS – see back page**



## STYLE 22

### AVAILABLE OPTIONS and MODIFICATIONS

TERMINAL HEAD OPTION		
Same specification as standard head		
Option Code	Process Connection	Conduit Connection
HD72	1/2"	1/2"
ASSEMBLY OPTIONS		
Option Code	Description	
TAG1	Stainless steel tag and wire	
PC25	1/4" NPT process connection	
PC75	3/4" NPT process connection	
RB10	Replace terminal block with customer supplied part	
RB11	Supply assembly with no terminal block inside head	
CAL1	Calibration, NIST traceable calibration [specify point(s)]	
CRT1	Certificate of conformance	
TRANSMITTERS – For complete specs, see Transmitters section		
TR11	4-20 mA, 2-wire transmitter, single input, isolated output; specify range and units of measure (e.g., 0-200°C)	
TR12	4-20 mA, 2-wire transmitter, single input, non-isolated output; specify range and units of measure (e.g., 0-200°C) and terminal head with *.	
TR13	HART®/ 4-20 mA, 2-wire transmitter, single input, isolated output; specify range and units of measure (e.g., 0-200°C) and terminal head with *.	
UNION CONNECTOR (converts male connection to female)		
Option Code	Description	
UC20	Plated steel, 1/2" x 1/2" NPT, explosion-proof rating	
Note: adding the union connector reduces the sensor's L length by 1.88" (see view). Adjust L dimension accordingly.		



UC20 Option