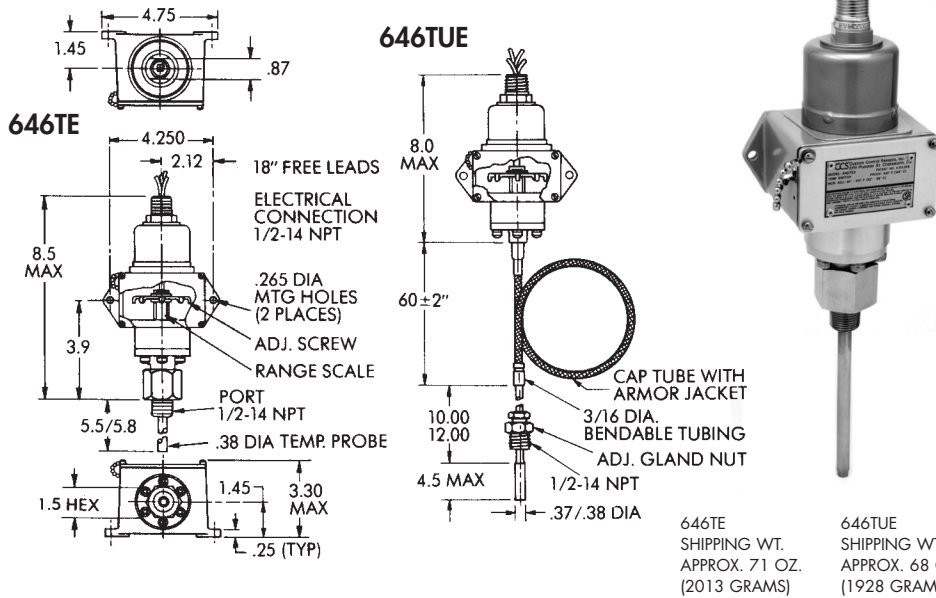


INSTALLATION DRAWING



Temp. **-39** to **+630° F**

SERIES:
646TE
646TUE

Standard Features:

- U.L./CSA
- Explosion Proof: Div. 1, 2
- NEMA: 4, 7, 9, 13

AMBIENT TEMP. RANGE

-30° to 160° F
-34° to 71° C

OPERATING AND ORDERING DATA:

TEMPERATURE SWITCHES MODEL 646TE		• STAINLESS STEEL TEMPERATURE PROBE	Wetted Parts	300 SST, Nickel Plated Steel Buna N (Ranges 1-3) Silicone Rubber (Ranges 4, 5)		
Maximum Probe Temperature Degrees F	Adjustable Set Point Range		Approx. Dead Band		Model Number	
	On Incr. Temperature Degrees F	On Decr. Temperature Degrees F	At Bottom of Range Degrees F	At Top of Range Degrees F	MODEL SPDT-Std.	MODEL DPDT "M"
+250°	-30° to +55°	-39° to +52°	9°	3°	646TE1	646TEM1
+300°	+35° to +140°	+21° to +135°	14°	5°	646TE2	646TEM2
+300°	+90° to +210°	+75° to +195°	15°	5°	646TE3	646TEM3
+500°	+175° to +310°	+159° to +305°	16°	5°	646TE4	646TEM4
+500°	+275° to +420°	+256° to +414°	19°	6°	646TE5	646TEM5
TEMPERATURE SWITCHES MODEL 646TUE		• STAINLESS STEEL TEMPERATURE PROBE WITH 5' CAPILLARY TUBE	Wetted Parts	300 SST & Graphite Lubricated Glass Fiber		
+200°	-30° to +55°	-39° to +52°	9°	3°	646TUE1	646TUEM1
+300°	+35° to +140°	+21° to +135°	14°	5°	646TUE2	646TUEM2
+300°	+90° to +210°	+75° to +195°	15°	5°	646TUE3	646TUEM3
+500°	+175° to +310°	+159° to +305°	16°	5°	646TUE4	646TUEM4
+500°	+275° to +420°	+256° to +414°	19°	6°	646TUE5	646TUEM5
+600°	+380° to +525°	+355° to +520°	25°	5°	646TUE6	646TUEM6
+650°	+480° to +630°	+456° to +624°	24°	6°	646TUE7	646TUEM7

Options Code:

- "7001" 10' Capillary
- "7002" 15' Capillary
- "7003" 25' Capillary
- "7008" Gold Contacts
- "7076" Teflon Wire

EXTERNAL PROBE PRESSURE

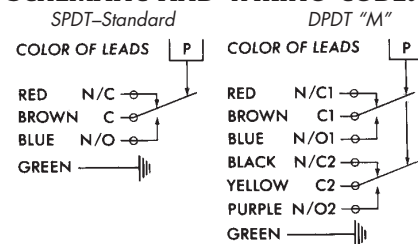
System Pressure: 1250 psi
Proof Pressure: 1500 psi

ELECTRICAL CHARACTERISTICS:

RATING OF SWITCH ELEMENT

VOLTS	AMPERES	
	SPDT	DPDT "M"
	Res.	Res.
125 AC - 50/60 Hz	1.5	.5
250 AC - 50/60 Hz	1.5	.5
480 AC - 50/60 Hz	1.5	—
125 DC	.4	.5

SCHEMATIC AND WIRING CODE:



ENCLOSURE/CERTIFICATIONS:

Div. 1 explosion-proof and hermetically sealed electrical assembly Part No. 17-51 (17-73 for "M" model option), listed by both Underwriter's Laboratories, Inc. (File No. E32961) and CSA Testing Laboratories (File No. 22921) for hazardous locations, Class 1, Groups A, B, C, and D; Class 2 Groups E, F, and G.

HOW TO ORDER: Specify model number, add desired "options" listing letter codes first followed by numbers:

See Page 23 for detail data on available Capillaries and Thermowells
Custom Control Sensors, Inc. • 21111 Plummer Street, Chatsworth, CA 91311 • Tel: (818)341-4610 • Fax: (818)709-0426
e-mail: switchnet@ccsdualsnap.com • http://www.ccsdualsnap.com