

<p>100 OHMS AT 0°C PLATINUM 0.00385 Ω/Ω/°C TEMP. COEFF. (3-WIRE)</p>	<p>100 OHMS ±0.1 Ω AT 0°C PLATINUM 0.00385 Ω/Ω/°C TEMP. COEFF. (4-WIRE)</p>	SYM	ECO NUMBER	DATE	APPD
		A	ECO 6285	10-16-09	TSH
		B	ECO 7096	10-22-13	TSH
		C	ECO 7131	12-13-13	TSH

<p>100 OHMS AT 0°C, PLATINUM DUAL ELEMENT, 0.003850 TEMP. COEFF. (3-WIRE DUAL)</p>	<p>BLACK GREEN GREEN</p>
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**SPRING LOADED FAST RESPONSE SENSOR W/ WELL**

**SPRING LOADED FAST RESPONSE SENSOR W/O WELL**

**THERMOWELL ONLY**

21870	M&O DESIGN FOR SPRING LOADED FAST RESPONSE SENSOR W/ WELL
SPRING LOADED FITTING	
L	SPRING LOADED HEX FITTING
ACCURACY CODE	
-10	±0.10%
-05	±0.05%
ELEMENT CONFIGURATION	
A	3-WIRE SINGLE
B	4-WIRE SINGLE
C	3-WIRE DUAL
CONNECTION HEAD	
-1C	CAST IRON WEATHERPROOF
-1E	EPOXY COATED CAST IRON
-2A	EXPLOSION PROOF ALUMINUM
-2E	EPOXY COATED ALUMINUM
-5A	EXPLOSION PROOF ALUMINUM (-K)
-5E	EPOXY COATED ALUMINUM (-K)
-9P	POLYPROPYLENE
-14S	STAINLESS STEEL
-N	NO CONNECTIONHEAD
EXTENSION TYPE	
1C	GALVANIZED NIPPLE
2C	304 SS COUPLING NIPPLE
3C	316 SS COUPLING NIPPLE
1D	GALVANIZED UNION-NIPPLE
2D	304 SS UNION-NIPPLE
3D	316 SS UNION-NIPPLE
N	NO EXTENSION
"U" IMMERSION LENGTH IN INCHES	
-045	4.5 INCHES
-060	6.0 INCHES
"T" THREADS	
-2	1/2" NPT
-3	3/4" NPT
THERMOWELL MATERIAL	
-03	316 SS
-06	316L SS

21870	M&O DESIGN FOR SPRING LOADED FAST RESPONSE TIP SENSOR W/O WELL
SPRING LOADED FITTING	
L	SPRING LOADED HEX FITTING
ACCURACY CODE	
-10	±0.10%
-05	±0.05%
ELEMENT CONFIGURATION	
A	3-WIRE SINGLE
B	4-WIRE SINGLE
C	3-WIRE DUAL
CONNECTION HEAD	
-1C	CAST IRON WEATHERPROOF
-1E	EPOXY COATED CAST IRON
-2A	EXPLOSION PROOF ALUMINUM
-2E	EPOXY COATED ALUMINUM
-5A	EXPLOSION PROOF ALUMINUM
-5E	EPOXY COATED ALUMINUM
-9P	POLYPROPYLENE
-14S	STAINLESS STEEL
-N	NO CONNECTIONHEAD
EXTENSION TYPE	
1C	GALVANIZED NIPPLE
2C	304 SS COUPLING NIPPLE
3C	316 SS COUPLING NIPPLE
1D	GALVANIZED UNION-NIPPLE
2D	304 SS UNION-NIPPLE
3D	316 SS UNION-NIPPLE
N	NO EXTENSION
"L" UNCOMPRESSED SHEATH LENGTH IN INCHES	
-055	5.5 INCHES
-085	8.5 INCHES
-*	SPECIFY IMMERSION LENGTH IN INCHES, 9" --> 090

21870	M&O FOR THERMOWELL ONLY
"U" IMMERSION LENGTH	
-045	4.5 INCH "U" IMMERSION LENGTH
-085	8.5 INCH "U" IMMERSION LENGTH
-090	9.0 INCH "U" IMMERSION LENGTH
-120	12.0 INCH "U" IMMERSION LENGTH
-***	SPECIFY "U" IMMERSION LENGTH IN INCHES
"T" THREADS	
-2	1/2" NPT
-3	3/4" NPT
THERMOWELL MATERIAL	
-03	316 S.S.
-06	316L S.S.

STANDARD PART NUMBER LAYOUT  
21870-085-3-03

STANDARD PART NUMBER LAYOUT  
21870L-10A-2E3D-055

STANDARD PART NUMBER LAYOUT  
21870L-10A-2E3D-060-2-06

<b>-TOLERANCES-</b> UNLESS OTHERWISE SPECIFIED				<b>BURNS ENGINEERING</b>	
ALL DIMENSION IN INCHES		SCALE		MOUNTING AND OUTLINE DRAWING, TYPE "L" SPRING LOADED SENSOR, FAST RESPONSE	
FRACTIONS = ±1/16 ONE PLACE .X = ±.050 TWO PLACE .XX = ±.010 THREE PLACE .XXX = ±.005		N.T.S.			
		DFTM    PAC    10-16-09			
		CHKD    PAC    10-16-09			
ALL ANGLES ARE ± 0°30'		APPD    TSH    10-16-09		SHEET 1    SIZE    DRAWING NUMBER    REV OF 2        A        21870        C	
UNLESS OTHERWISE NOTED: ALL SURFACES 125 ✓		DIMENSIONS IN INCHES			
ALL FINISHES IN MICRO INCHES		REF: 21889			

