

Resistance Temperature Detectors

707 Series

- Industrial Design With Cast Screw Cover Heads
- "Factory Mutual" Approved Heads In Cast Iron And Aluminum
- Various Male NPT Mounting Fittings Are Available
- Standard Resistance Value 100 Ohms at 0°C, Others Available
- Standard Resistance Tolerance Of $\pm 0.1\%$ At 0°C
- Standard Temperature Coefficient $.00385/\Omega/\Omega/^\circ\text{C}$

707

Code	Temperature Range	Insulation
A	-50°F to 350°F (-45°C to 175°C)	FEP Teflon
B	-50°F to 800°F (-45°C to 425°C)	Fiberglass
C	-50°F to 1100°F (-45°C to 600°C)	Ceramic
D	-50°F to 1100°F (-45°C to 600°C)	Compacted MgO
E	-50°F to 1500°F (-45°C to 815°C)	Compacted MgO

Resistance Values	
Standard: 100 Ohms at 0°C	
On request: 200, 400, 500 and 1000 Ohms	

Code	Sheath Diameter
D	.125" (A and B Temp. Range only)
E	.187"
F	.250"

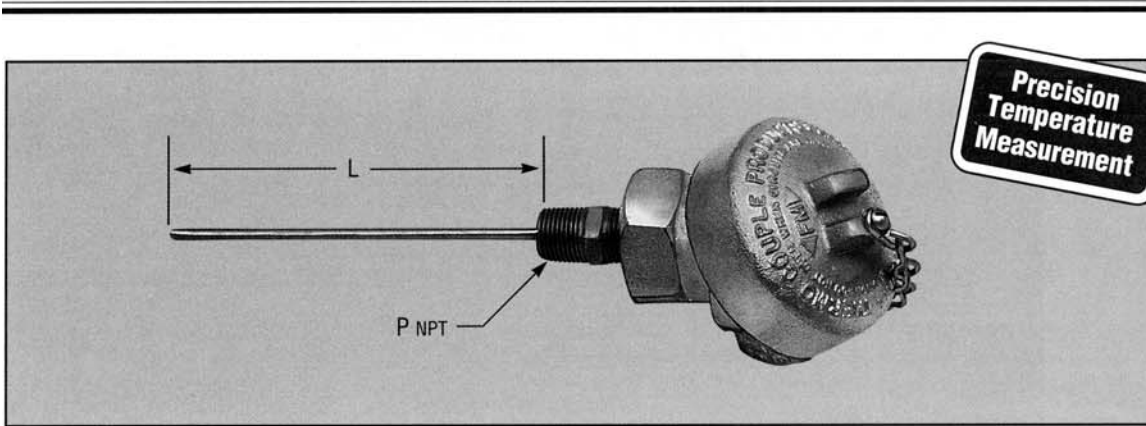
Immersion Length "L"	
Specify in inches	

Code	Number of Wires
2	2 Wire
3	3 Wire
4	4 Wire
3 wire is standard	

707A-100-E-5-3-304-AL-1/2-1-0
Ordering Example

! Metric Orders Welcome

Place an **mm** in appropriate selection box:



Code	Other Pertinent Data
0	None
999	Special Request Consult Factory
Code	Spring Loading
0	None
1	Spring Loaded Element
None is standard. Spring loading not available if mounting thread is 0	
Code	Mounting Thread "P"
0	None
1/4	1/4" NPT
3/8	3/8" NPT
1/2	1/2" NPT
1/2" NPT is standard	
Code	Termination Style
0	None
AL	Aluminum Head
CI	Cast Iron Head
P	Poly Head
Cast Iron is standard	
Code	Sheath Material
304	304 Stainless Steel
316	316 Stainless Steel
304 Stainless Steel standard Temperature Range A, B, C.	
316 Stainless Steel standard Temperature Range D, E.	
Specify other material	