

S51PA124Y24 ← EXAMPLE OF MODEL NUMBER

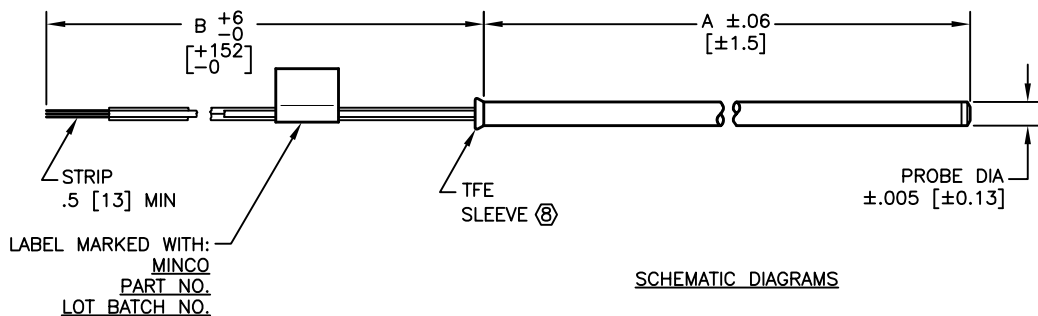
PA ELEMENT TYPE:
(SEE TABLE FOR ELEMENT OPTIONS).

Y LEADWIRE CONFIGURATION (NUMBER OF LEADS AND COLOR).
(SEE SCHEMATIC DIAGRAMS FOR LEAD COLORS).
Y = 2 LEADS, MINCO U.S. STANDARD COLORS;
Z = 3 LEADS, MINCO U.S. STANDARD COLORS;
X = 4 LEADS, MINCO U.S. STANDARD COLORS;
W = 3 LEADS, IEC/EN 60751 COLORS.

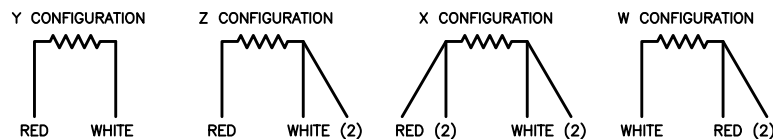
24 LEAD LENGTH B IN 1 INCH INCREMENTS.
STANDARD LENGTHS ARE 6", 12", 24", 36", 48", 60", AND 72".
MAXIMUM LEAD LENGTH = 480".

REVISIONS					
REV	DESCRIPTION	DATE	ECO	DR	APPD
W	TAB0117 WAS S531/S551/S553/S554 ONLY; CHANGED LEAD COLOR OPTIONS, MINIMUM A TO 2.8, PD TO .12%; AND B LENGTH TO +6/0; REVISED SCHEMATIC DIAGRAMS; REVISED ELEMENT OPTIONS, MAX CASE LENGTH, NOTE 4; ADDED LABEL	08-24-15	1694968	WAB	JNB

ELEMENT OPTIONS		ELEMENT RESISTANCE	.188 [4.78] DIA MODEL NUMBERS					.215 [5.46] DIA MODEL NUMBERS					.236 [6.00] DIA MODEL NUMBERS			.250 [6.35] DIA MODEL NUMBERS			AVAILABLE LEAD CONFIGURATIONS								
			\$54	\$554	\$854	\$884	\$10116	\$224188	\$51	\$551	\$851	\$881	\$100662	\$224215	\$131	\$531	\$224236	\$53	\$553	\$853	\$883	\$101374	\$224250	Y	Z	X	W
CA	COPPER	10.00Ω ± 20% (10.02/9.98) @ 25°C, 1.42743 TCR	●				●	●					●			●	●					●		●			
FA	NICKEL- IRON	604.0Ω ± 5% (607.0/601.0) @ 0°C, 1.51876 TCR	●				●	●					●			●	●					●	●	●			
NA	NICKEL	120.0Ω ± 5% (120.6/119.4) @ 0°C, 1.67196 TCR	●				●	●								●	●					●	●	●	●		
PA	PLATINUM	100.0Ω ± 5% (100.5/99.5) @ 0°C, 1.39261 TCR	●				●	●					●			●	●					●	●	●	●		
PM		100.0Ω ± 0.6% (100.06/99.94) @ 0°C, 1.38500 TCR (7)		●				●							●			●					●	●	●	●	●
PD		100.00Ω ± 12% (100.12/99.88) @ 0°C, 1.38500 TCR (7)			●									●	●				●				●	●	●	●	●
PE		100.0Ω ± 5% (100.5/99.5) @ 0°C, 1.38500 TCR				●									●	●					●		●	●	●	●	
PF		1000.00Ω ± 12% (1001.20/998.80) @ 0°C, 1.38500 TCR (7)					●							●	●		●					●	●	●	●	●	



SCHEMATIC DIAGRAMS



1. ELEMENT: SEE ELEMENT TABLE.
2. RESISTANCE: SEE ELEMENT TABLE (RESISTANCE EXCLUDES LEADWIRE RESISTANCE).
3. TEMPERATURE LIMITS: -50°C TO 260°C (-58°F TO 500°F), EXCEPT NICKEL-IRON ELEMENT TO 204°C (400°F).
4. INSULATION RESISTANCE: 1000 MEGOHMS MINIMUM AT 500 VOLTS DC, LEADS TO PROBE CASE.
5. LEADS: AWG #22, STRANDED, PTFE INSULATED.
6. CASE: STAINLESS STEEL, WITH COPPER ALLOY TIP.
- ⑦ THE PM, PD, & PF ELEMENT RESISTANCE THERMOMETERS WILL MEET THE RESISTANCE-TEMPERATURE RELATIONSHIP AND TOLERANCES SPECIFIED IN EN 60751 (IEC 751); PM = CLASS A, PD = CLASS B, PF = CLASS B.
- ⑧ CASE MAY BE CUT TO SHORTER LENGTH. USE CARE NOT TO DAMAGE LEADWIRE INSULATION. LOCATE THE SLIP-FIT TFE SLEEVE IN END OF CUT-OFF CASE TO PROTECT LEADWIRE INSULATION AT POINT OF EMERGENCE. MINIMUM A FOR CUT-OFF CASE: 28 (2.8") [71].

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS ONE PLACE (.0) ±.020 [±0.51] TWO PLACE (.00) ±.010 [±0.25] THREE PLACE (.000) ±.005 [±0.13] ANGLES:	INITIALS	DATE	ITEM	REQD	INVENTORY NO	MATERIAL DESCRIPTION											
	DR WAB	02-10-16	TITLE: RESISTANCE THERMOMETER, SINGLE PROBE TYPE, TIP-SENSITIVE				 www.minco.com										
	CHK DES	09-04-15															
	APP																
MATERIAL:	ENGR JNB	10-13-15	REF: TAB0117				COMPANY CONFIDENTIAL PROPRIETARY INFORMATION OF MINCO PRODUCTS, INC. DO NOT DUPLICATE										
	QA																
	PRD APK	10-13-15															
FINISH:	NEXT ASSY	PROD CODE 445	INVENTORY NO				SCALE NONE	DWG SIZE B		CAGE IDENT. 09359				SHEET 1 OF 1			
	USED ON	INIT. ORDER															
S51, S53, S54, S131, S531, S551, S553 S554, S551, S553, S554, S561, S563, S584, S100662, S101116, S101374, S224188, S224215, S224236, S224250																	REV W