

WHEN ORDERING SPECIFY SENSING ELEMENT, NUMBER OF LEADS,
LEAD COVERING AND LEAD LENGTH.

S101733PE2T40 ← EXAMPLE OF MODEL NUMBER MAKEUP

S101733 SPECIFICATIONS DRAWING NUMBER.

PE SENSING ELEMENT:

NB = NICKEL, 100Ω AT 0°C;
PD = PLATINUM, 100Ω AT 0°C; (8)
PE = PLATINUM, 100Ω AT 0°C;
PF = PLATINUM, 1000Ω AT 0°C;
PG = PLATINUM, 500Ω AT 0°C.

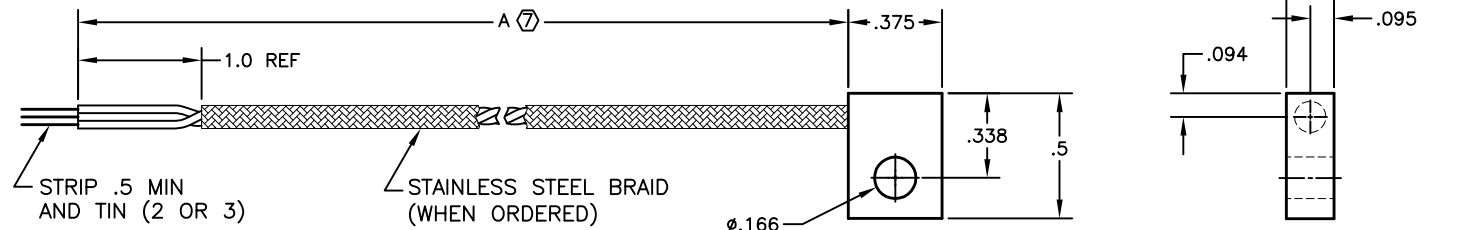
2 NUMBER OF LEADS:

2 = 2 LEADS (NB, PE AND PF MODELS ONLY);
3 = 3 LEADS.

T LEAD COVERING:

T = TFE INSULATED LEADS;
S = STAINLESS STEEL BRAID OVER TFE
INSULATED LEADS.

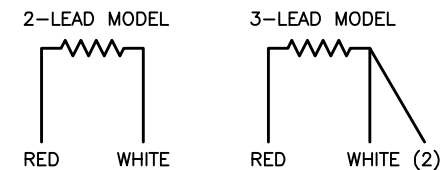
40 LEAD LENGTH A IN INCHES.



- ELEMENT: PLATINUM.
- RESISTANCE:
NB NICKEL (R/T TOLERANCES PER DIN 43760): 100.00 OHMS ±.22%
(100.22/99.78) AT 0°C (32°F).
PD PLATINUM: 100.00 OHMS ±.12% (100.12/99.88) AT 0°C (32°F),
R/T TABLES #5-100 (°C) AND #6-100 (°F).
PE PLATINUM: 100.00 OHMS ±.36% (100.36/99.64) AT 0°C (32°F),
R/T TABLES #5-100 (°C) AND #6-100 (°F).
PF PLATINUM: 1000.00 OHMS ±.12% (1001.2/998.8) AT 0°C (32°F),
R/T TABLES #5-1000 (°C) AND #6-1000 (°F).
PG PLATINUM: 500.00 OHMS ±.12% (500.60/499.40) AT 0°C (32°F),
R/T TABLES #5-500 (°C) AND #6-500 (°F).
EXCLUDING LEADWIRE RESISTANCE (SEE APPLICATION AID #18).
- TEMPERATURE RANGE:
NB: -50°C TO 200°C (-58°F TO 392°F);
PD, PE AND PF: -50°C TO 260°C (-58°F TO 500°F).
- INSULATION RESISTANCE: 10 MEGOHMS MINIMUM AT 100 VOLTS DC,
LEADS TO CASE AND LEADS TO STAINLESS STEEL BRAID (WHEN
ORDERED).
- LEADS: STRANDED, TFE INSULATED, AWG #24 IN 2-LEAD MODELS,
AWG #26 IN 3-LEAD MODELS. SEE MODEL NUMBER MAKE-UP ABOVE
FOR LEAD COVERING OPTION.
- CASE: STAINLESS STEEL.
- LEAD LENGTH TOLERANCE:
+1/-0" [+25/-0] FOR LEAD LENGTH OF 24" [610] OR LESS;
+5/-0" FOR LEAD LENGTH GREATER THAN 24" [610].
- THE PD MODEL WILL MEET THE RESISTANCE-TEMPERATURE
RELATIONSHIP AND TOLERANCES SPECIFIED IN EN 60751 (IEC 751),
CLASS B.

REVISIONS					
REV	DESCRIPTION	DATE	ECO	DR	APPD
A	Ø.166 WAS Ø.266	11-13-01	38508	JAD	BAL
B	2-LEAD MODELS WERE AWG #26	01-17-02	38669	JAD	DLW
C	.19 WAS .188; .095 WAS .094; REVISED NOTE 8	03-26-04	41727	JAD	DLW
D	.19 ±.02 WAS .19; .5 CASE DIMENSION WAS .50	09-09-05	43464	JAD	BAL
E	ADDED PG ELEMENT OPTION; DELETED Ø.125 DIMENSION	05-25-07	45412	JAD	BAL
F	ADDED 1.0 REF AT LEAD EMERGENCE	05-14-12	1748618	JAD	BAL

SCHEMATIC DIAGRAMS



UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS		INITIALS	DATE	ITEM	REQD	INVENTORY NO	MATERIAL DESCRIPTION	
ONE PLACE (.0) ±.020 [+0.51]		DR	JAD	10-18-01	TITLE: RESISTANCE TEMPERATURE DETECTOR BEARING TYPE S101733 SERIES			 www.minco.com COMPANY CONFIDENTIAL PROPRIETARY INFORMATION OF MINCO PRODUCTS, INC. DO NOT DUPLICATE
TWO PLACE (.00) ±.010 [+0.25]		CHK	BAM	10-25-01				
THREE PLACE (.000) ±.005 [+0.13]		APP						
ANGLES:		ENGR	DLW	10-25-01				
MATERIAL:		QA			CAGE IDENT. 09359			S101733
		PRD	CDO	10-25-01				
FINISH:		NEXT ASSY	CATEGORY 04-					
		USED ON	INIT. JOB 284747					
		INVENTORY NO		SCALE NONE	DWG SIZE B	SHEET 1 OF 1		REV F

Print Date: 01/31/2019 12:35