Industrial RTD, Probe Type



900 SERIES

- General purpose RTD probe with PVC or PTFE lead wires
- · Adjustable and welded fittings available
- Ideal for OEM applications
- PVC or PTFE jacketed lead wires are available
- · A variety of fitting sizes and probe diameters are available
- RTD PT100 Ω standard, others available
- 2, 3 or 4-wire circuit types
- Isolation to 500 Vdc
- · Custom designs available

APPLICATIONS

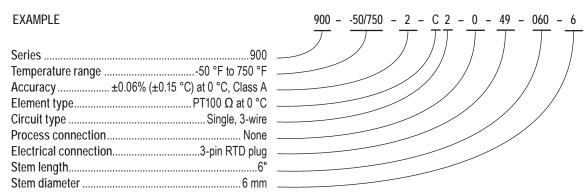
- Chemical processing
- Textile production
- Automotive
- Plastics processing
- HVAC

	SPECIFICATIONS			
Temperature ranges	-50 °F to 400 °F (-50 °C to 200 °C) -50 °F to 750 °F (-50 °C to 400 °C) -330 °F to 1,100 °F (-200 °C to 600 °C)			
Sheath material	316 stainless steel			
Finish (standard)	32 micro-inches maximum			
Pressure rating	500 psi (34.5 bar), tube only			
RTD element	PT100 Ω @ 32 °F (0 °C), α=0.00385 IEC 751			
Lead wires	Stranded 22 AWG standard, PVC or PTFE insulation			
Self-heating	50 mW / °C typical in moving water			
Insulation resistance	Single element probes: 100 mega Ω /min. at 500 Vdc, leads to case Dual element probes: 100 mega Ω /min. at 100 Vdc, between element and leads to case			
Transition	Sheath to wire transition max. temperature 266 °F (130 °C)			

		ORDERING INFORM	NATION			
SERIES	900					
TEMPERATURE RANGES	-50/400	-50 °F to 400 °F	-330/1100	-330 °F to 1,100 °F		
	-50/750	-50 °F to 750 °F				
ACCURACIES	1	±0.12% (±0.3 °C) at 0 °C, Class B	3	±0.04% (±0.1 °C) at 0 °C, Class AA		
	2	±0.06% (±0.15 °C) at 0 °C, Class A				
ELEMENT TYPES	С	PT100 Ω at 0 °C	M	PT1000 Ω at 0 °C		
CIRCUIT TYPES	1	Single, 2-wire	3	Single, 4-wire	5	Dual, 3-wire
	2	Single, 3-wire	4	Dual, 2-wire	6	Dual, 4-wire
PROCESS CONNECTIONS	0	None	8	1/2" NPT Male		
	1	1/8" NPT Male	48	1/2" NPT Male w/ adjustable compression fitting		
	2	1/4" NPT Male				
ELECTRICAL CONNECTIONS	6	1/2" NPT conduit with 36" cable	48	M12 x 1 (5-pin)*		
	36	Integral cable 36"	49	3-pin RTD plug		
	37	1/2" NPT conduit with 6" flying leads	50	M12 x 1 (8-pin)		
STEM LENGTHS	025	2.5"	090	9"	180	18"
	040	4"	120	12"	240	24"
	060	6"	150	15"		
STEM DIAMETERS	1	1/8"	3	3/8"	6	6 mm
	2	1/4"	4	1/2"		

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

^{*} Single circuit types only



1/2" Conduit With Cable M12 x 1 (5-pin) Integral Cable 36" 1/2" NPT w/Flying Leads RTD Plug Cable length Fitting type Cable length Fitting Fitting type type Stem length Stem length as specified as specified Stem length Stem diameter Stem diameter as specified Stem diameter Stem diameter as specified Stem diameter as specified as specified as specified as specified