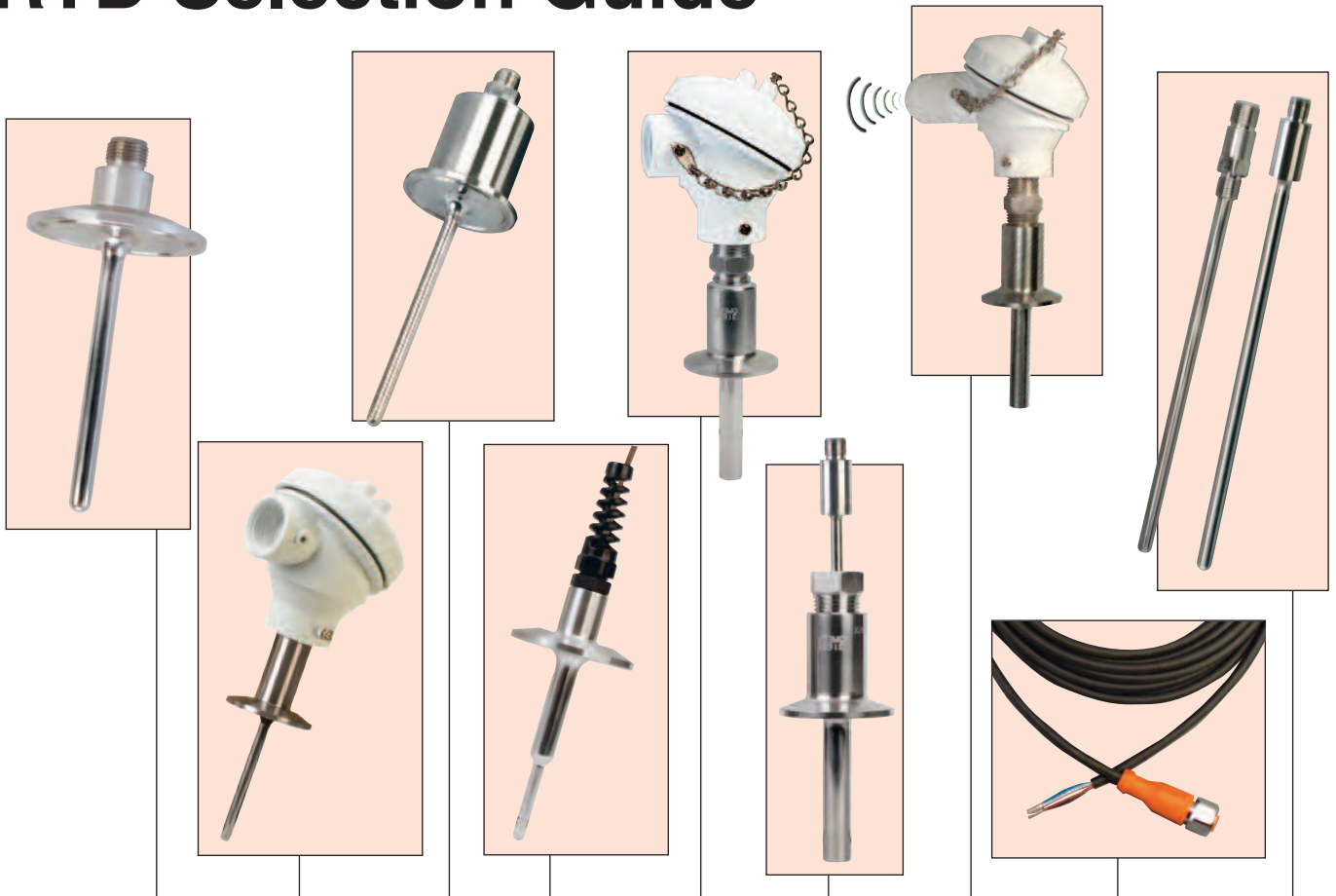


RTD Selection Guide



Series No.	PRS-S-M12 PRS-H-M12	PRS-S-NB9W PRS-H-NB9W	PRS-S-TMM12 PRS-H-TMM12	PRS-S-CB PRS-H-CB	PRS-TW-NB9W	PRS-TW-M12	UWRTD	M12C Extension Cables	PR-21
Page No.	C-17, C-18	C-19, C-20	C-21, C-22	C-23, C-24	C-25	C-26	C-27	C-28	C-29, C-30
Base Price	\$110	\$95	\$225	\$120	\$180	\$180	\$265	\$9	\$60
Probe Type	Sanitary	Sanitary	Sanitary	Sanitary	Sanitary	Sanitary	Sanitary and General Purpose	Extension Cables	Immersion Sensor
Termination Style†	M12 Connector	NB9W or NB15 Connection Head	M12 Connector	Stripped Leads	Connection Head	M12 Connector	Wireless	Molded M12 or M8 Connectors One End	M12 Connector
Element	Pt100, Class A	Pt100, Class A	Pt100, Class A	Pt100, Class A	Pt100, Class A	Pt100, Class A	Pt100, Class A	None	Pt100, Class A
Features	3-A Approved, Clean-In-Place Mounting Flange, Standard & Heavy Duty Probes	3-A Approved, Clean-In-Place Mounting Flange, Standard & Heavy Duty Probes	3-A Approved, Clean-In-Place Mounting Flange, Standard & Heavy Duty Probes	Clean-In-Place Mounting Flange, Standard & Heavy Duty Probes	Spring Loaded Sensor in 3-A Approved Thermowell	Spring Loaded Sensor in 3-A Approved Thermowell	Fixed Length Probe with Connection Head Mounted Wireless Transmitter, can be used with 3-A Approved Thermowells	Straight or Angled M12 or M8 Connector One End, Stripped Leads on the Other	Straight Probe with or Without Mounting Thread (NPT or Metric) and M12 Connector
Typical Applications	Food, Dairy & BioPharm Processes	Food, Dairy & BioPharm Processes	Food, Dairy & BioPharm Processes	Food, Dairy & BioPharm Processes	Food & Dairy	Food & Dairy	General Purpose, Food, Dairy, BioPharm	Sanitary, Food, Dairy BioPharm, General Purpose	Automation, General Purpose, Thermowell Mountable
Options Available	Cables, Transmitters	Transmitters	Cables		Transmitters	Transmitters & Cables	Wireless Receivers & Thermowells	Installable Connectors	Cables, Compression Fittings, Transmitters

TJ = Transition junction to lead wires

† Stripped lead connection style can be supplied with connectors on request

OTP = Standard Three-Prong Connector
MTP = Miniature Three-Prong Connector

RTD Selection Guide



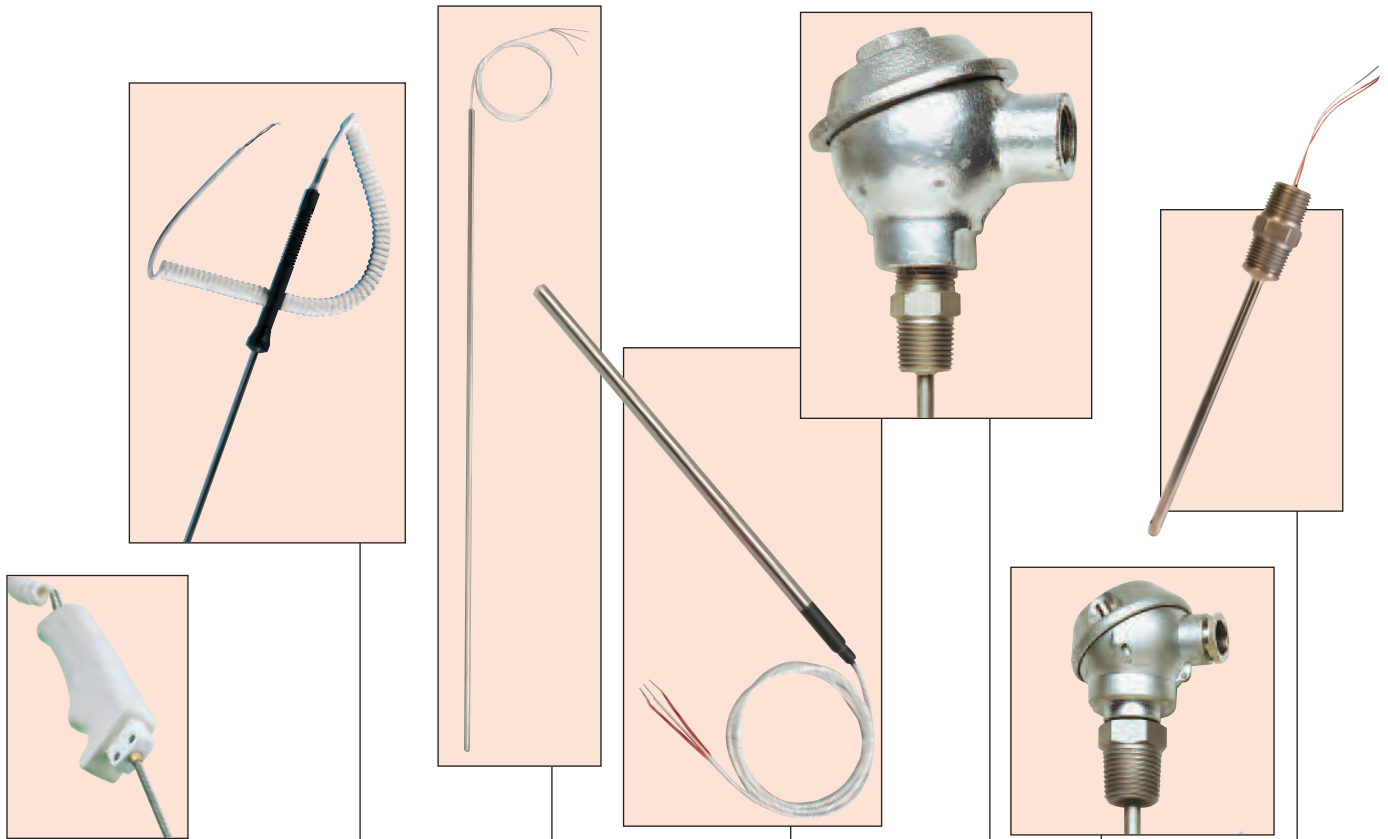
Series No.	PR-22	PR-23	UWRTD-S-2	TX94A-SS	SPRTX-SS	DTG-RTD100	PRTF-10,-11	PRTF-17, -13
Page No.	C-31	C-32	C-33	C-34	C-35	C-36	C-37 to C-52	C-53, C-54
Base Price	\$37	\$31	\$275	\$195	\$95	\$395	\$35	\$43
Probe Type	Immersion Sensor	Immersion Sensor	Wireless RTD Transmitter	Heavy-Duty Transmitter	In-Line M12 Transmitter	Digital Indicator With Sensor	Straight Sheath and Transitioned Sheaths with PFA Insulated, Fiberglass Insulated, SB Braided or BX Armored Cable	Miniature and Standard Quick Disconnect Probe
Termination Style†	Molded M12 Connector	Molded M8 Connector	M12 Connector to Wireless	M12 Connector to M12 Connector	Striped Leads	Various	Stripped Leads	MTP or OTP Connector with Mating Connector
Element	Pt100, Class A	Pt100, Class A	None	None	None	Pt100	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B
Features	Straight Probe with or Without Mounting Thread (NPT or Metric) and M12 Connector	Straight Probe with or Without Mounting Thread (NPT or Metric) and M8 Connector	Connect an RTD Sensor Using an M12 Connection and Transmit the Sensor's Output	TX94A Transmitter with Splash-Proof and Heavy Duty Stainless Steel Housing; M12 Connection	Connect to RTD Sensor Via an M12 Connector, Provides 4 to 20 Milliamp Signal	Backlit Point Of Use Display, 316 Stainless Steel Enclosure, Multiple Sensor Configurations	Straight Immersion Probe	Low Cost, Simple Immersion Probe with Quick Disconnect
Typical Applications	Automation, General Purpose, Thermowell Mountable	Automation, General Purpose, Thermowell Mountable	Remote Mounted, Connects Via M12 Cable	Outdoor, Sanitary and Marine Applications	Provide Transmitted Signal with Minimal Additional Hardware	Sanitary, Washdown, Marine, General Purpose	Process Measurement, Bath Temperature	Process Measurement, Bath Temperature
Options Available	Cables, Compression Fittings, Transmitters	Cables, Compression Fittings	Receivers	Cables, Wall Mounting Bracket	Power Supplies, Calibration	Transmitters, Sensors, Cables	Probe and Cable Length, Sheath Diameter	Probe and Cable Length, Sheath Diameter

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RTD Selection Guide



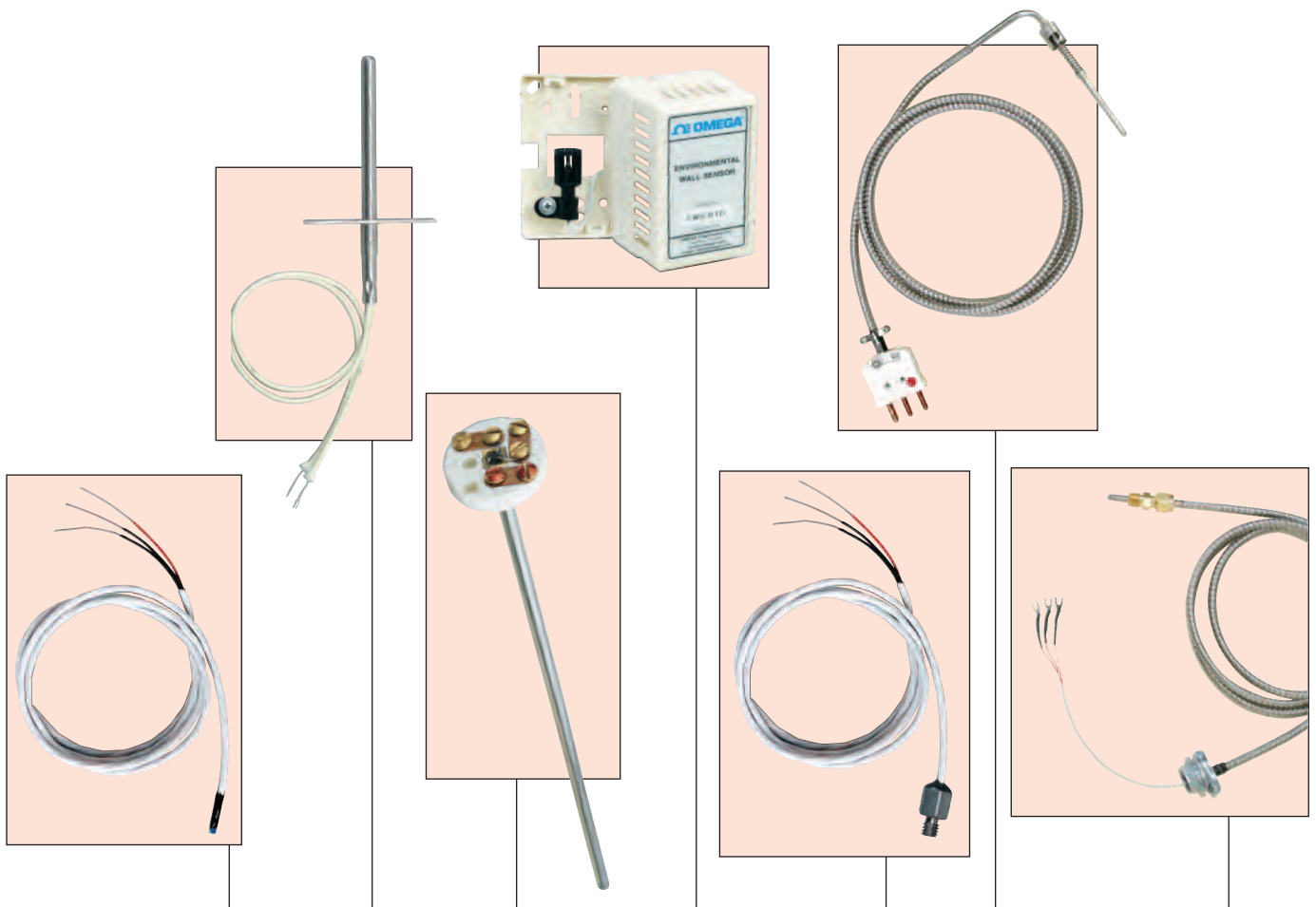
Series No.	PRS	PRTF-16	Cut To Length	PRTFCU	PRTF-12,14,18,19	PRTF-12,14,18,19-SL	PRTF-RP
Page No.	C-55	C-56	C-57	C-58	C-59	C-60	C-62
Base Price	\$95	\$46	\$55	\$45	\$70	\$81	\$52
Probe Type	Integral Plastic Handle Probes	Utility Handled Probe	Cut To Length Probe	Fast Response Copper Tip	Fixed Length Probe with Head	Spring Loaded Probe with Head	Replacement Probes for PRTF Sensors
Termination Style†	Stripped Leads	Stripped Leads	Stripped Leads	Stripped Lead Wires	Connection Head and Terminal Board	Connection Head and Terminal Board	Stripped Leads
Element	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	Pt100, Class B
Features	Air, Penetration, Fast Response and General Usage Probes with Integral Handles	Immersion Probe with Molded Handle and Coil Cord	Probe is Cuttable to Needed Length	Copper Tip for Fast Response to Temperature Changes	Fixed Length Probe with Threaded Mounting, Connection Head and Terminal Board	Spring Loaded Probe with Threaded Mounting, Connection Head and Terminal Board	Spring Loaded and Fixed Length Replacement Probes for PRTF-12 and Other Connection Head Styles
Typical Applications	Hand Held Measurements	Hand Held Measurements	Used in non-Immersion Applications	Bearing Temperature, Low Contact Measurements, Thermowells	Pipe and Pressure Vessel Measurements	Use With Thermowells or Machined Housings	General Purpose
Options Available	Probe Style (Air, Penetration, Fast Response and General)	Sheath Length, Sheath Diameter	Probe and Cable Lengths	Probe Diameter and Length, Cable Length	Head Style, Probe Length, Transmitters	Head Style, Probe Length, Transmitters	Probe and Cable Lengths

TJ = Transition junction to lead wires

† Stripped lead connection style can be supplied with connectors on request

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Series No.	RTD-2-	RTD 870/880	PR-15	EWS-RTD	General Purpose 800 Series Class B	BTTF	CFTF
Page No.	C-64	C-65	C-66	C-66	C-67	C-69	C-70
Base Price	\$70	\$49	\$71	\$46	\$117	\$58	\$53
Probe Type	Element With Leads	Air, Gas and Liquid Sensor With Bracket	Immersion Probe with Ceramic Terminal Block	Wall Mount Sensor	General Purpose Sensors in 3-Packs	Extruder Sensor With Bayonet Fitting	Extruder Sensors with Compression Fittings
Termination Style†	Stripped Lead Wires	Stripped Lead Wires	Terminals	Stripped Lead Wires	MTP Connectors with Mating Connector	Spade Lugs or OTP Connectors	Spade Lugs or OTP Connectors
Element	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B
Features	Simple Surface Mount Assembly	Probes with Mounting Brackets	Large Ceramic Screw Terminal Block	Sensor in a Plastic Wall Mountable Enclosure	Versions Designed for Easy Installation and Use	Spring Loaded Bayonet Locking Cap	Straight or Bent with Compression Fitting
Typical Applications	Measuring Surface Temps, Assembly into Machined Housing	Appliance, Lab and Industrial Uses	Pipes or Duct Measurements	Room Air Temperature Measurement	Measuring Surface, Product and Structure Temperatures	Plastic Extrusion and Molding Equipment	Plastic Process Machinery
Options Available	Element Size, Cable Type and Length, Number of Wires	Factory Calibration	Factory Calibration	Extension Wire or Transmitter	Factory Calibration	Bayonet Adapters	Sheath Bend

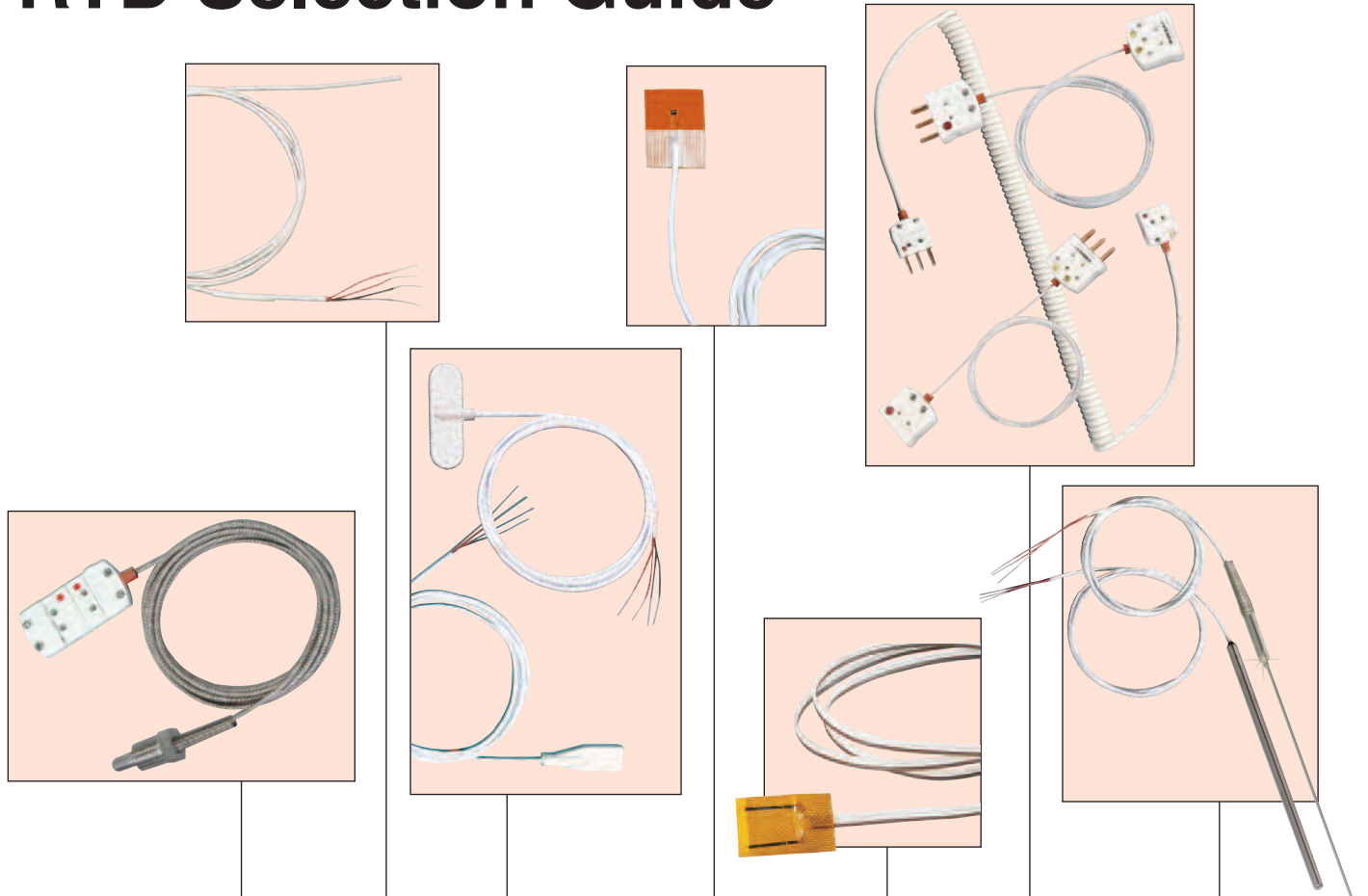
TJ = Transition junction to lead wires

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RTD Selection Guide

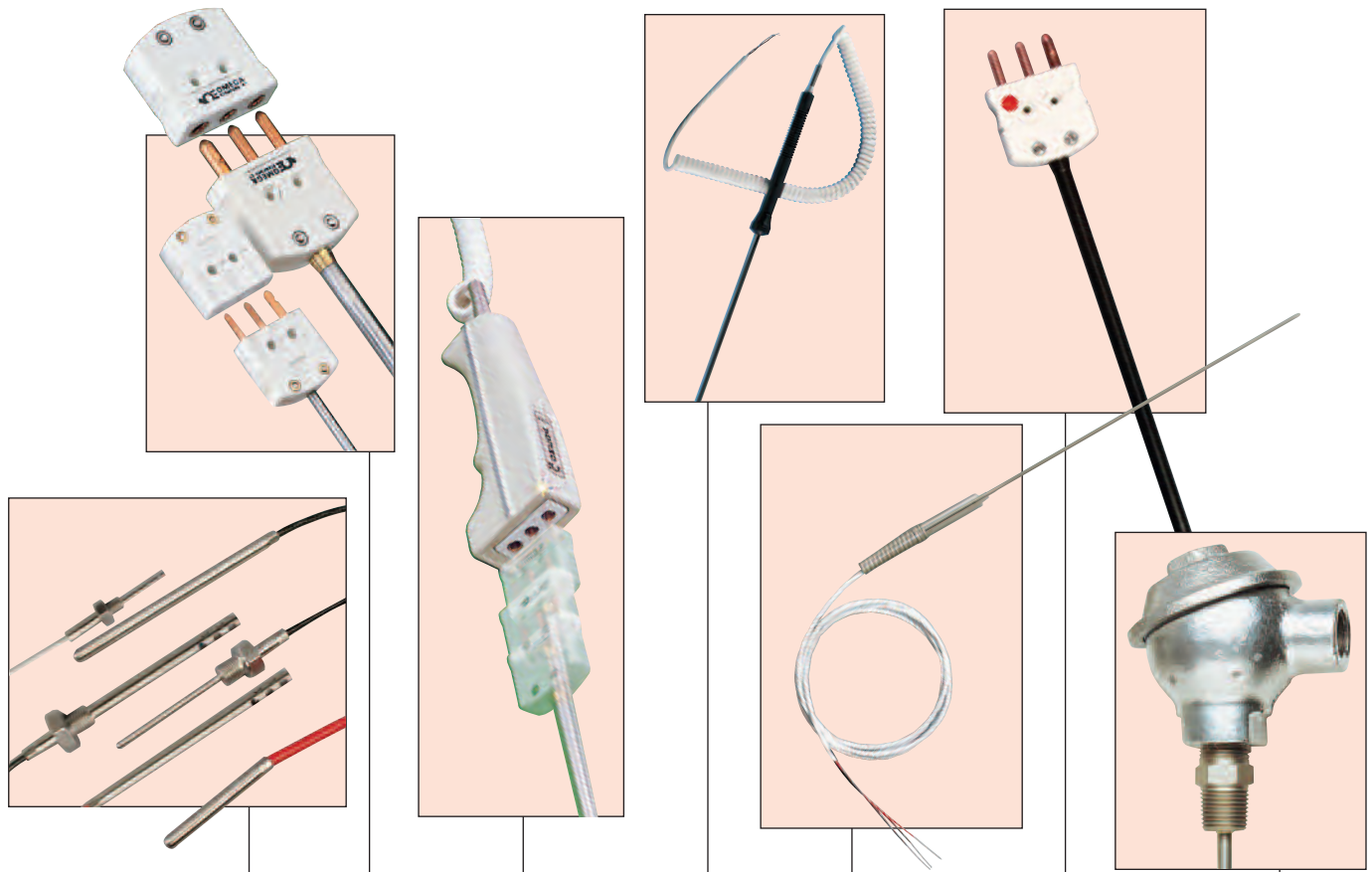


Series No.	RTD-NPT	HSRTD	SA2C-RTD	SA1-RTD	SRTD	Extension Cords & Cable	PR-10, 11
Page No.	C-72	C-73	C-74	C-75	C-76	C-77	C-79 to C-80
Base Price	\$64	\$45	\$45	\$95	\$110	\$15	\$63
Probe Type	Pipe Plug RTD	Hermetically Sealed Wire Sensor Assembly	Silicone Molded Surface Sensor	Self-Adhesive Surface Sensor	Cement-On Surface Sensor	Extension Cords	Straight Sheath and Transitioned Sheaths with PFA Insulated and Jacketed Cable
Termination Style†	MTP Connector with Mating Connector	Stripped Leads	Stripped Lead Wires	Stripped Leads or MTP Connectors	Stripped Leads	Stripped Leads or Connectors	Stripped Leads
Element	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	IEC 60751, DIN Platinum, Class B	100 Ω, DIN Platinum	None	IEC 60751, DIN Platinum, Class A
Features	¼ or ½ NPT Mounting Fitting, SST Braided Cable	Hermetically Sealed Tip, Corrosion Resistant	Pipe Mount or Flat Mounting, Self Adhesive	Self Adheres to Most Surfaces, Easy Installation and Use	Low Thermal Mass Provides Fast Response	Straight and Coiled Configurations, Multiple Connector Offerings	Straight Immersion Probe
Typical Applications	Pressure Vessels or Other Sealed Systems	Plating Baths, Laboratories	Pipe or Surface Measurement	Pipe, Surface or Structure Measurements	Attach to Equipment, Structures or Test Articles	Extend RTD Wiring	Process Measurement, Bath Temperature
Options Available	Lead Wire Length, Mounting Threads, Single or Dual Element	Cable Length, Connector	Connectors, Lead Lengths	Connectors, Lead Lengths	Connectors, Lead Lengths	Connectors, Lead Lengths	Probe and Cable Length, Sheath Diameter

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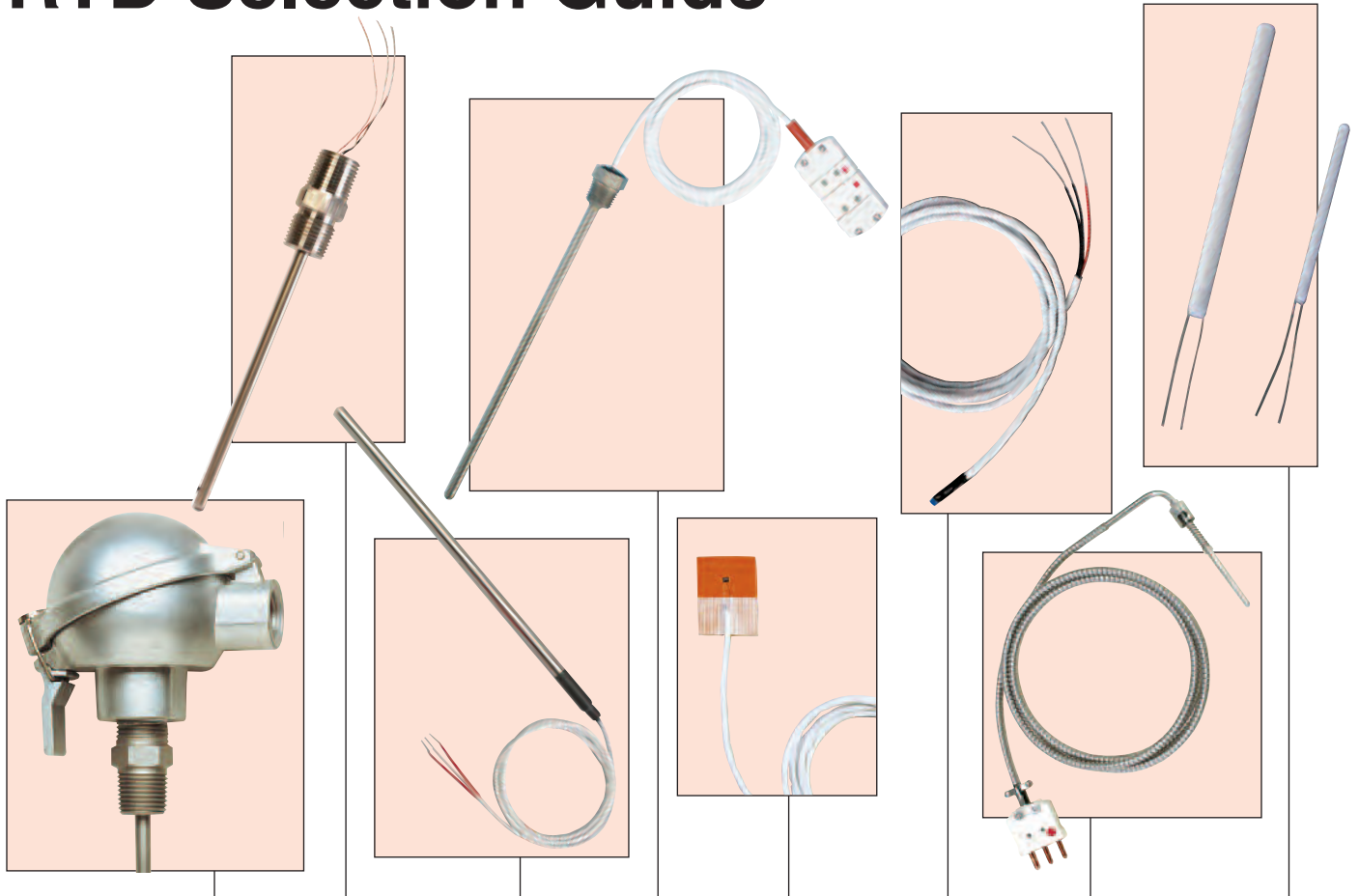
Series No.	P-M, P-L	PR-17, -13	PRX	PR-16	PR-11, 13, 16, 17 1.5 mm Fine Diameter Probes	PR-PFA	PR-12,14,18,19 Fixed Length
Page No.	C-83 to C-86	C-87 to C-88	C-90	C-91	C-89	C-92	C-93
Base Price	\$53	\$77	\$77	\$90	\$83	\$83	\$90
Probe Type	Ultra-Precise for Immersion Applications	Miniature and Standard Quick Disconnect Probe	Removable Handle and Probe	Utility Handle Probe	Quick Disconnect, Handle or TJ	PFA Coated Probes	Fixed Length Probe with Head
Termination Style†	Stripped Lead Wires	MTP or OTP Connector with Mating Connector	Handle Probe with Stripped Leads Standard	Stripped Leads Standard	OTP / MTP Connectors, Handle or Stripped Leads	Connectors, Heads, Stripped Leads	Connection Head and Terminal Board
Element	100 Ω DIN Platinum Class A, ½ DIN or ⅓ DIN	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A and B	IEC 60751, DIN Platinum, Class A
Features	Straight Probes with or Without Mounting Fittings	Simple Immersion Probe with Quick Disconnect	Removable Probe	Retractable Cable, Molded Handle Grip	Retractable Cable, Molded Handle Grip	PFA Coating Provides Protection to Sheath in Corrosive Environments	Fixed Length Probe with Threaded Mounting, Connection Head and Terminal Board
Typical Applications	Test Labs, High Accuracy Processes	Process Measurement, Bath Temperature	Soft Solids & Fluids Measurements	Handheld Meters	Handheld Meters	Plating Baths, Acid Baths, Corrosive Environments	Pipe and Pressure Vessel Measurements
Options Available	Mounting Fittings, Probe Lengths and Diameters, Resistance Tolerances	Probe and Cable Length, Sheath Diameter	Factory Calibration	Factory Calibration	Factory Calibration	Factory Calibration	Head Style, Probe Length, Transmitters

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RTD Selection Guide



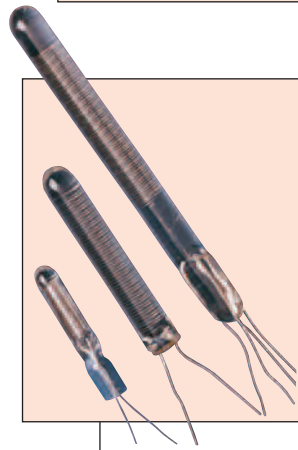
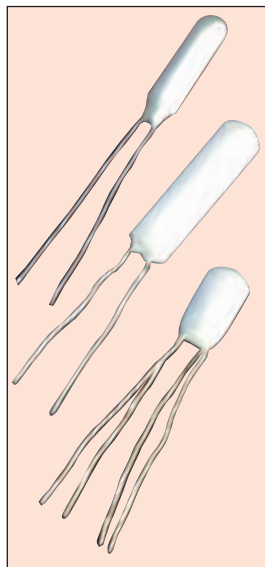
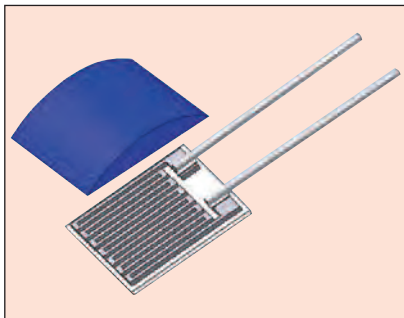
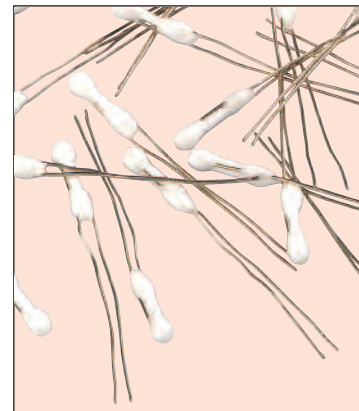
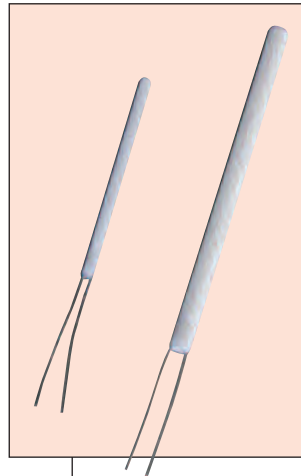
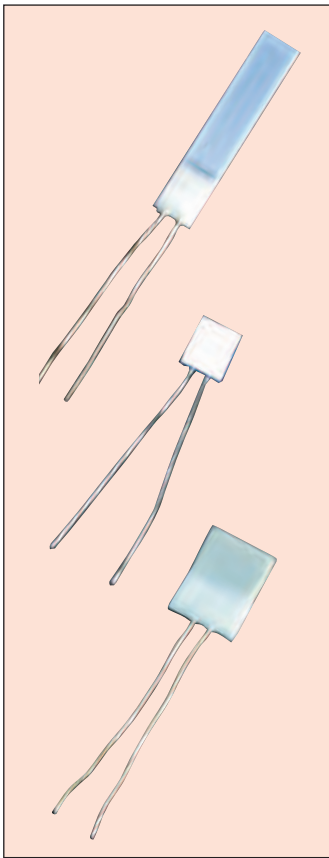
Series No.	PR-12,14,18,19 Spring Loaded	PR-RP	PRCU	RTD-800 Series	SA1-RTD	RTD-2	BT and CF	-CL1/3 and -CL1/10
Page No.	C-95	C-97	C-99	C-101 to C-106	C-107	C-109 to C-112	C-113 to C-114	C-125
Base Price	\$101	\$76	\$73	\$79	\$50	\$45	\$91	\$12
Probe Type	Spring Loaded Probe with Head	Replacement Probes for PR Sensors	Fast Response Copper Tipped	General Purpose Sensors	Surface Sensor	Element With Leads	Bayonet Cap and Adjustable Fitting Mountable	RTD Elements
Termination Style†	Connection Head and Terminal Board	Stripped Leads	Stripped Leads	Stripped Leads, Connectors	Stripped Leads	Stripped Lead Wires	Spade Lugs or Connectors	Bare Leads
Element	IEC 60751, DIN Platinum, Class A	Pt100, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	IEC 60751, DIN Platinum, Class A	Pt100 Wire Wound
Features	Spring Loaded Probe with Threaded Mounting, Connection Head and Terminal Board	Spring Loaded and Fixed Length Replacement Probes for PR-12 and Other Connection Head Styles	Copper Tipped Sensors Provide Faster Response to Temperature Changes	Flexible Mounting Options	Self-Adhesive Mounting or Cement In Place	Simple Surface Mount Assembly	Straight or Bent with Compression Fitting	High Accuracy Wire Wound RTD Elements with Class 1/3DIN and 1/10DIN Tolerances
Typical Applications	Pipe and Pressure Vessel Measurements in Thermowells	General Purpose	Thermowells, Surface and Bearing Temperature Measurements	Surface, Air and Immersion Measurements	Surface Measurements on Structures, in Processes or For Testing	Measuring Surface Temperatures, Assembly into Machined Housing	Plastic Process Machinery	High Accuracy Measurements
Options Available	Head Style, Probe Length, Transmitters	Probe and Lead Lengths	Connectors, Heads & Fittings	Factory Calibration, Hand Held Meters	Stainless Steel Braid, Connectors	Element Size, Cable Type and Length, Number of Wires	Sheath Bend	Lead Wire Attachment

TJ = Transition junction to lead wires

† Stripped lead connection style can be supplied with connectors on request

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Series No.	F (OEM)	F	F Class B	FR	W	KN Class A	G, GX, GN	KN
Page No.	C-115	C-119	C-120	C-121	C-122	C-125	C-126	C-127
Base Price	\$1	\$19	\$47.50 (5)	\$18	\$32	\$12	\$50	\$11.50
Features	OEM Applications Vibration Resistant	Fast Response	Long Term Stability 5-pack	Long Term Stability	Resistance to 2000 Ω	Class A Accuracy	Vibration Resistant	Class A Accuracy
Element with Bare Lead Wire	Single Thin Film Flat and Cylindrical Ceramic	Single Thin Film Flat	Single or Dual Thin Film Cylindrical	Single or Dual Thin Film Cylindrical	Single Thin Film Cylindrical	Single or Dual Wire Wound Ceramic	Single Wire Wound Glass	Single or Dual Wire Wound Ceramic
Termination Style	2 Leads	2 Leads for Welding	2 or 4 Leads Welding	2 or 4 Leads Welding	2 Leads for Welding	2 or 4 Leads for Welding	2 Leads for Welding	2 or 4 Leads for Welding

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