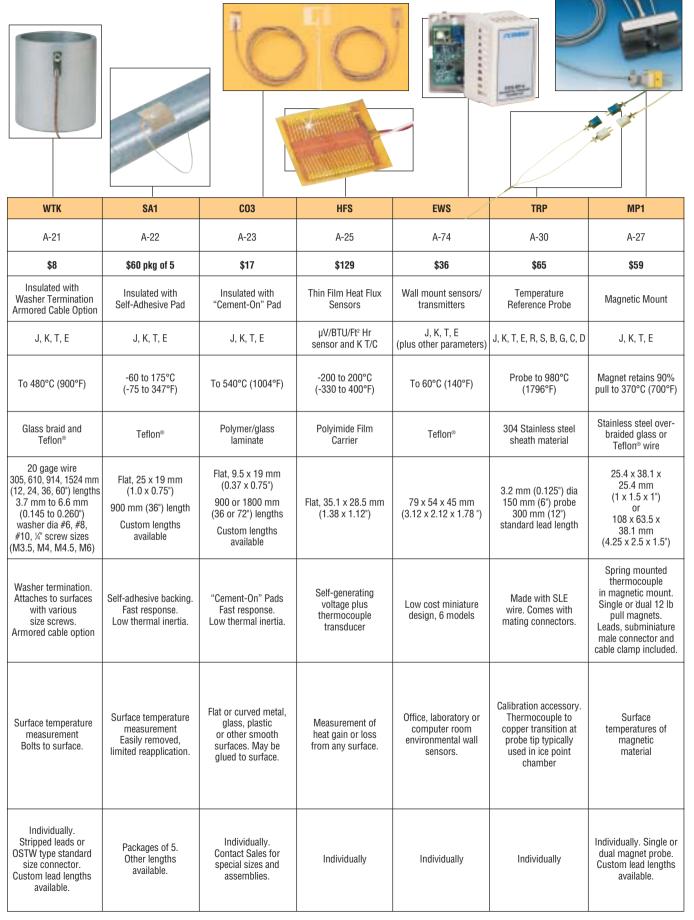
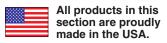
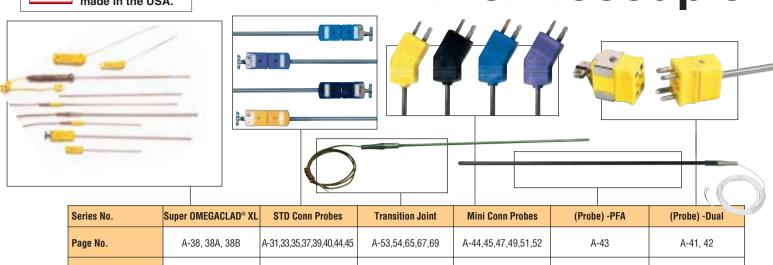


Selection Guide



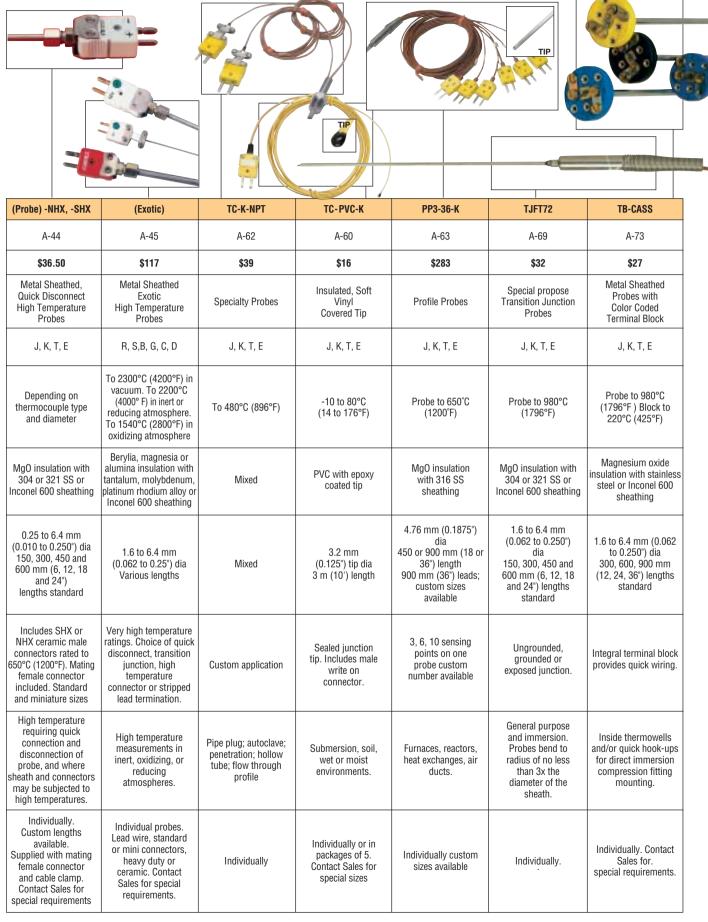


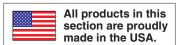
Thermocouple



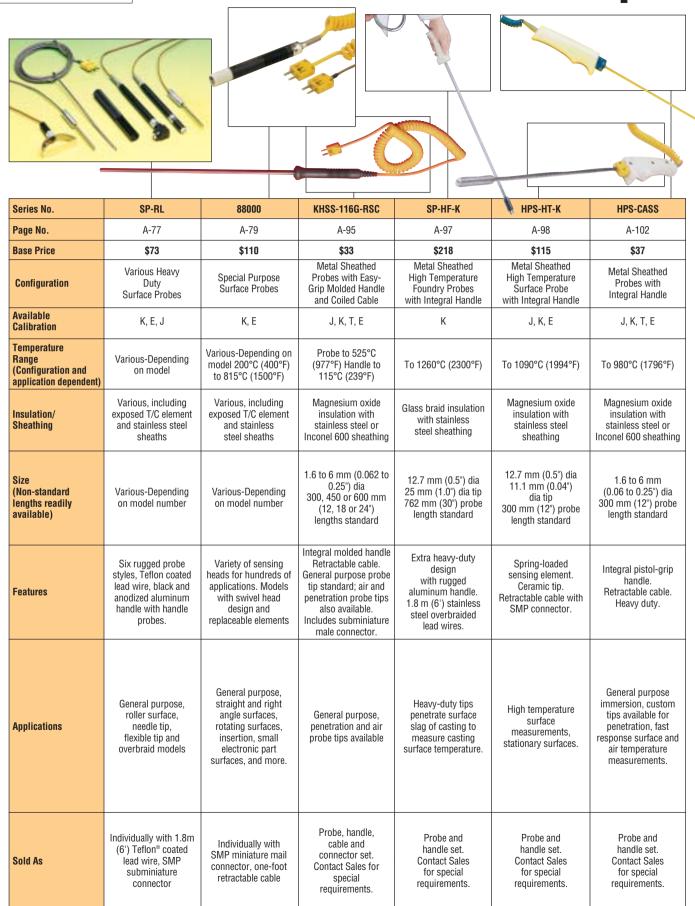
						<i>(i)</i>
Series No.	Super OMEGACLAD® XL	STD Conn Probes	Transition Joint	Mini Conn Probes	(Probe) -PFA	(Probe) -Dual
Page No.	A-38, 38A, 38B	A-31,33,35,37,39,40,44,45	A-53,54,65,67,69	A-44,45,47,49,51,52	A-43	A-41, 42
Base Price	\$24	\$22	\$19	\$24	\$47	\$56
Configuration	Super OMEGACLAD® XL Transition Joint, Quick connect and Handle styles	Metal Sheathed, Quick Disconnect Probes with Standard Size Connectors	Metal Sheathed, Metal Transition Junction Probes	Metal Sheathed, Quick Disconnect Probes with Miniature Size Connectors	Metal Sheathed PFA Teflon Coated Probes (probes can be ordered bent)	Dual Element with Miniature or Standard Size Connector
Available Calibration	K, N	J, K, T, E, N	J, K, T, E, N	J, K, T, E, N	Various	J, K, T, E
Temperature Range (Configuration and application dependent)	To 1335°C (2440°F)	To 980°C (1796°F)	To 980°C (1796°F)	To 980°C (1796°F)	To 200°C (392°F)	To 980°C (1796°F)
Insulation/ Sheathing	MgO insulation with Nickel-chrome based Super OMEGACLAD® XL Sheathing	MgO insulation with 304 or 321 SS or Inconel 600 sheathing	MgO insulation with 304 or 321 SS or Inconel 600 sheathing	MgO insulation with 304 or 321 SS or Inconel 600 sheathing	Magnesium oxide insulation with stainless steel or Inconel 600 sheathing and PFA Teflon coating	MgO insulation with 304 or Inconel sheathing
Size (Non-standard lengths readily available)	4.8 or 6.3 mm (0.1875 or 0.25") dia 300 mm (12") standard length or 150 mm (6") standard length	0.25 to 6.0 mm (0.010 to 0.250") dia 50, 300, 450 and 600 mm (6, 12, 18 and 24") lengths. Other lengths on request.	0.25 to 6.0 mm (0.010 to 0.250") dia 50, 300, 450 and 600 mm (6, 12, 18 and 24") lengths. Other lengths on request.	0.25 to 6.0 mm (0.010 to 0.250") dia 50, 300, 450 and 600 mm (6, 12, 18 and 24") lengths. Other lengths on request.	As small as 1 mm (0.040") O.D. 1.2 m (48") max. length	1.6 to 6.4 mm (0.0625 to 0.250") dia
Features	High temperature, low thermal drift very stable	Standard male connectors (mating females included) Bendable sheaths with many optional features, eg. grounded, ungrounded, exposed tip, SS or Inconel sheath, molded or non-molded and connectors, weld pads, PFA Teflon® coating, low noise designs, high temperature, EMI suppression, low-cadmium environmentally friendly polymer			Chemically inert. Electrically insulated. Abrasion resistant.	Standard and subminiature connectors
Applications	Excellent oxidation, carburization and chlorination resistance	Immersion in liquid, gas or air, custom tips for soft solid penetration, fast response, surface and air measurement.			Battery electrolyte, plating baths, anodizing baths, severe environments, caustic or corrosive chemical solutions.	Permits 2 temp signals from 1 point. General purpose and immersion. Probes bend to radius of no less than 3x sheath diameter.
Sold As	Individually. Custom lengths available SUPER OMEGACLAD*XL THERNOGOPILE WITE MANUFACTORISM TYPE TO TYPE TO TYPE TO THERE Sets for Type TO TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYPE	temp, Low Noise	A-54 HKMTSS High temp A-53 KMTSS Small dia A-65 KTSS Molded	Page Model Feature A-52 HKMQSS High temp A-44 -SHX Ceramic A-50 HGKMQSS High Temp, Low Noise A-48 GKMQSS Low Noise A-51 KMQSS Standard	Individual metal sheathed probes. PFA coating also available on thermowells. Contact Sales for special requirements.	Individually

Selection Guide





Thermocouple



Selection Guide **NEW! Series of Probes!** Roller, Air, Penetration, Surface See Pages A-92A — A-92H RAT/SAT/BAT NB1, 2, 3, 4 (Probe) -PD **ADR** SERP CF, BT A-105 A-118 A-56 A-115 A-119 A-121 A-123 \$45 \$45 \$86 \$133 \$42 \$40 \$21 Metal Sheathed Metal Sheathed Metal Sheathed Metal Sheathed Bayonet and Ceramic tube Probes with Industrial Teflon® and Plastic Metal Sheathed Probes with Adjustable Depth assemblies Compression Fitting Hypodermic Probes Protection Head and **Extruder Probes** Weld Pad Probes Integral Terminal Block Probes J, K, T, E R, S, B J, K, T, E RTD To 510°C (950°F) for Teflon® models To 1650°C (3002°F) To 1150°C (2102°F) To 1150°C (2102°F) To 900°C (1652°F) To 480°C (896°F) To 200°C (392°F) 290°C (554°F) plastic models Magnesium oxide Magnesium oxide Braided glass wire with insulation with insulation with Glass braid on Glass braid on wire Ceramic Protection stainless steel housing. stainless steel or inside stainless steel stainless steel or wire inside Stainless steel needle Tube Hastelloy tip on Inconel 600 Inconel 600 stainless steel tip probe Teflon® models sheathing. sheathing 1.6 to 6.4 mm (0.062 4.7 mm (0.188") dia probe 3.2 mm (0.125") 4.7 mm (0.188") dia to 0.25") dia probe. 1.6 to 6.4 mm 57 and 89 mm (2.25" and dia tip: 75 or 150 mm 6.4 or 9.5 mm (0.25 Various diameter (0.062 to 0.25") dia 3.5") probe lengths 0.203 to 1.83 mm (3 or 6") barrel or 0.375" dia) 300 mm up to 75 mm (3") (0.008 to 0.072") dia wells as small as 25.4 x 19 x 3.2 mm standard for bayonet lengths; flush, 6, 13, (12") probe Various lengths (1 x 0.75 x 0.125") pad tip length models. 50 and 100 mm (2 13 to 38 mm 19 or 25 mm (0.25, 1500 mm (60") cable standard length 12.7 mm (0.5"). 300 mm (12") lengths and 4") probe lengths for (0.5 to 1.5") lengths 0.5, 0.75 or 1") 300 mm (12") length standard length standard compression fitting models. tip lengths probe standard Straight or 90° bend probes. Choice of industrial Rigid or flexible Flexible armored cable Variety of probe lengths. heads with integral connection. Small, needle-type Parallel, 90° or with sliding lock fitting. 6.4 mm (0.25 ") flexible terminal blocks. Fixed or Various tip and probes in various curved weld pad Spring action catch stainless steel cable Includes NS1 Head spring loaded. Choice of barrel lengths. diameters and at tip of probe. holds probe firmly in 304 or 321 stainless thermowell size and Single or dual lenaths. Variety of terminations. place. Grounded or steel construction. material. Head can elements. ungrounded junction. house TX91A. Industrial, laboratory, manufacturing and chemical research. Heavy-duty, Various size needle industrial probes suit Immersion, adjusts environments. temperature High Temperature to any depth. Sheathed or measurements in Oxidizing or Permanent installations. Spring loaded tip Teflon® or Immersion, bored non-sheathed plants, liquids, plastic extruders. Reducing probe welds to surface. presses against the samples, surfaces. semi-solids, food thermocouple Atmospheres bottom of a well for elements fit into processing and rapid heat transfer thermowell if natural sciences. necessary. Model HYP-1 is autoclavable. Not suitable for human implantation. Individually with Individually with threaded fitting Individually. permanently Individual spring-Individually with and head. Flat or curved pads attached or loaded bayonet or OST standard size Individually in 5 styles. Variety of thermowell compression fitting available. removable lock Comes with or without Individually male connector. styles. Contact Sales. sizes, designs Contact Sales for fittings Contact Sales for connectors. and materials. special Spade lugs or for special

quick disconnect

termination.

Contact Sales for

special requirements.

requirements

special requirements.

requirements.