

Oven Tracker® XL2 Thermocouple Range I

A comprehensive range to suit your exact application needs

- Designed to be accurate, repeatable and easy to operate
- Exceptionally durable, quad wrapped, 10 strand 36 AWG (0.125 mm/0.005 in), metal braid and PTFE sheathed* Type K thermocouple
- Specified to ANSI MC96.1 Special Limits of Error ($\pm 0.4\%$ or $\pm 1.1^{\circ}\text{C}/\pm 2.0^{\circ}\text{F}$, whichever is greater)
- IEC584 color standard (green) for Type K thermocouples
- Strong 'crimped' plug/cable attachment
- Circular cable cross section to reduce kinking and twisting
- Various cable lengths available

(*does not apply to PA1361 and PA1362)

MICROMAG THERMOCOUPLES

Employing state of art Samarium Cobalt magnet technology, these miniature surface and air thermocouples allow placement into the tightest of recesses. Ideal for car body shell areas that are difficult to access. Benefiting from a low thermal mass, response characteristics challenge those of exposed junction thermocouples with the benefit of quick and easy attachment to ferrous substrates. Despite its size, 17 mm (0.7 in) diameter, the magnet strength guarantees secure attachment up to the maximum experienced paint and powder coating cure temperatures. Encapsulated magnet design allowing reliable direct use even on wet painted and E-coated substrates. No risk of either magnet damage or magnet loss when the probe is removed from cured paint surface at the end of the oven process. Supplied with aluminum knob for easy routine rugged handling. Removable, if necessary, to suit application requirements.

MicroMag Surface

PA0973	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0974	3.0 m (10 ft)	Maximum temperature 265°C (509°F)
PA0975	6.0 m (20 ft)	Maximum temperature 265°C (509°F)

MicroMag Air

PA0995	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0996	3.0 m (10 ft)	Maximum temperature 265°C (509°F)
PA0999	6.0 m (20 ft)	Maximum temperature 265°C (509°F)

IRMAG SURFACE THERMOCOUPLE

Magnetic thermocouple designed to measure ferrous substrates in IR cure ovens. Combines easy attachment and fast thermocouple response. Ideal for automotive IR repair operations. Robust alternative to Adhesive Patch thermocouple.

PA1361	1.5 m (5 ft)	Maximum temperature: magnet 300°C (572°F); cable 400°C (752°F)
PA1362	3.0 m (10 ft)	Maximum temperature: magnet 300°C (572°F); cable 400°C (752°F)



MAGNETIC THERMOCOUPLES

Magnet offset from sensor to prevent heatsink effect and PTFE coated to prevent sticking (Recommended for E-coat applications). PTFE handle for quick, safe and easy removal or repositioning. Chamfered thermocouple head and metal tension arm designed to provide repeatable contact between sensor and product.

Surface

PA0053	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0054	3.0 m (10 ft)	Maximum temperature 265°C (509°F)

Air

Attach to ferrous components for measuring the surrounding ambient air temperature.

PA0055	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0056	3.0 m (10 ft)	Maximum temperature 265°C (509°F)

ALUCLAMP SURFACE THERMOCOUPLE

Clips onto the edge of an aluminum car hood or any other nonferrous panel, allowing surface temperature measurement right at the center of the panel.

PA1351	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA1352	3.0 m (10 ft)	Maximum temperature 265°C (509°F)

ALUMINUM AUTOMOTIVE THERMOCOUPLES

Designed specifically for use on aluminum car body shells. The spring-loaded bobbin, that is clipped to any recess in the inner car body skin, provides secure attachment of the thermocouple.

Surface thermocouple arm assembly

PA0032	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0033	3.0 m (10 ft)	Maximum temperature 265°C (509°F)

Air thermocouple arm assembly

PA0036	1.5 m (5 ft)	Maximum temperature 265°C (509°F)
PA0037	3.0 m (10 ft)	Maximum temperature 265°C (509°F)

Spring action thermocouple mount

PA0030	Use with either surface or air arm assemblies. Order with appropriate thermocouple arm assembly.
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Worldwide Service

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11/2016 OTXL2 Thermal Range1 RevC

