

TEMPERATURE PROBES FOR CURVEX

DATASHEET

PRODUCT DESCRIPTION



TQC supplies a comprehensive program of sensors suitable for the CurveX oven measurement system. All sensors feature standard thermocouple K connectors and are universally interchangeable with other temperature measurement systems. For different applications, there are several mounting possibilities of the sensors. TQC supplies magnet sensors, clamp sensors, wire & ring sensors. In addition, the sensors are available in different temperature ranges.

All TQC sensors are especially designed for the most accurate measurement:

- Perfect contact between sensor and substrate
- Low weight and optimal shape prevents temperature influences from the outside
- Easy to clean Teflon cables with braided cores for a high degree of flexibility and strengthened by a braided metal outer shield.



ART NO.

Ordering information temperature probes for curvex - air temperature:

Art. No	Application	Probe Mounting	Cable Type	Cable Length	Max Temperature
CX2020	Air	Spring clamp	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
CX2021	Air	Spring clamp	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2022	Air	Spring clamp	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F

Art. No	Application	Probe Mounting	Cable Type	Cable Length	Max Temperature
CX2026	Air	Spring clamp	Coiled polyurethane	10500 mm / 34.45 ft	300°C / 572°F
CX2023	Air	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2024	Air	Spring clamp	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
CX2069	Air	Magnet	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
CX2068	Air	Magnet	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2073	Air	Magnet	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F

Ordering information probes to measure object surface temperature:

CX2030	Surface	Spring clamp	Coiled polyurethane sheath	1500 mm / 4.9 ft	300°C / 572°F
CX2040	Surface	Spring clamp	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2041	Surface	Spring clamp	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
CX2045	Surface	Spring clamp	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
CX2046	Surface	Vice clamp	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
CX2048	Surface	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2049	Surface	Spring clamp	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
CX2050	Surface	Magnet	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
CX2060	Surface	Magnet	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2062	Surface	Magnet	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
CX2061	Air	Magnet	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
CX2055	Surface	Magnet	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2056	Surface	Magnet	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
CX2065	Universal	Ring	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
CX2066	Universal	Ring	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2072	Universal	Ring	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
CX2085	Universal	Ring	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2086	Universal	Ring	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
CX2090	Universal	Ring	Inconel tube	1500 mm / 4.9 ft	1000°C / 1832°F
CX2091	Universal	Ring	Inconel tube	3000 mm / 9.8 ft	1000°C / 1832°F
CX2092	Universal	Ring	Inconel tube	5000 mm / 16.4 ft	1000°C / 1832°F
CX2063	Air/Surface	Wire	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
CX2064	Air/Surface	Wire	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
CX2067	Air/Surface	Wire	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
CX2087	Air/Surface	Wire	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2088	Air/Surface	Wire	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
CX2094	Air/Surface	Wire	Inconel tube	3000 mm / 9.8 ft	1000°C / 1832°F

Ordering information probes to measure oven infra-red air temperature:

Art. No	Application	Probe Mounting	Cable Type	Cable Length	Max Temperature
CX2097	Air	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2098	Air	Spring clamp	Stainless steel braided lead	5000 mm / 16.4 ft	480°C / 896°F

Ordering information probes to measure oven infra-red surface temperature:

CX2095	Surface	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2096	Surface	Magnet	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
CX2099	Surface	Magnet	Stainless steel braided lead	5000 mm / 16.4 ft	480°C / 896°F

SPECIFICATIONS**Technical specifications****Temperature probes for curvex:**

Temp Range	Tolerance Value	Temp Range	Tolerance Value
-40 to 375°C	-40 ±1.5°C	375 to 1000°C	±0.4% Reading
-40 to 707°F	-40 ±34.7°F	707 to 1832°C	±0.4% Reading

TQC ThermoKinetics:

The TQC ThermoKinetics range is a new range within TQC's product line.

The TQC ThermoKinetics range focuses on the effect of temperature on paint related chemistry.

**DISCLAIMER**

The right of technical modifications is reserved.

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