

## 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
<b>CX2020</b>	Air	Spring clamp	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2021</b>	Air	Spring clamp	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2022</b>	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
<b>CX2026</b>	Air	Spring clamp	Coiled polyurethane	10500 mm / 34.45 ft	300°C / 572°F
<b>CX2023</b>	Air	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2024</b>	Air	Spring clamp	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
<b>CX2069</b>	Air	Magnet	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2068</b>	Air	Magnet	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2073</b>	Air	Magnet	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F

**Ordering information probes to measure object surface temperature:**

<b>CX2030</b>	Surface	Spring clamp	Coiled polyurethane sheath	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2040</b>	Surface	Spring clamp	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2041</b>	Surface	Spring clamp	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
<b>CX2045</b>	Surface	Spring clamp	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
<b>CX2046</b>	Surface	Vice clamp	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
<b>CX2048</b>	Surface	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2049</b>	Surface	Spring clamp	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
<b>CX2050</b>	Surface	Magnet	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2060</b>	Surface	Magnet	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2062</b>	Surface	Magnet	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
<b>CX2061</b>	Air	Magnet	Coiled polyurethane	10500 mm / 34.4 ft	300°C / 572°F
<b>CX2055</b>	Surface	Magnet	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2056</b>	Surface	Magnet	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
<b>CX2065</b>	Universal	Ring	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2066</b>	Universal	Ring	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2072</b>	Universal	Ring	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
<b>CX2085</b>	Universal	Ring	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2086</b>	Universal	Ring	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
<b>CX2090</b>	Universal	Ring	Inconel tube	1500 mm / 4.9 ft	1000°C / 1832°F
<b>CX2091</b>	Universal	Ring	Inconel tube	3000 mm / 9.8 ft	1000°C / 1832°F
<b>CX2092</b>	Universal	Ring	Inconel tube	5000 mm / 16.4 ft	1000°C / 1832°F
<b>CX2063</b>	Air/Surface	Wire	Coiled polyurethane	1500 mm / 4.9 ft	300°C / 572°F
<b>CX2064</b>	Air/Surface	Wire	Coiled polyurethane	3000 mm / 9.8 ft	300°C / 572°F
<b>CX2067</b>	Air/Surface	Wire	Coiled polyurethane	5000 mm / 16.4 ft	300°C / 572°F
<b>CX2087</b>	Air/Surface	Wire	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2088</b>	Air/Surface	Wire	Stainless steel braided lead	3000 mm / 9.8 ft	480°C / 896°F
<b>CX2094</b>	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
<b>CX2097</b>	Air	Spring clamp	Stainless steel braided lead	1500 mm / 4.9 ft	480°C / 896°F
<b>CX2098</b>	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:**

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