



TEMPERATURE SENSORS

WHAT DOES ENTEC PROVIDE?

Entec designs and manufactures a wide range of temperature sensors to suit almost any temperature measurement application.

Entec's range comprises both Thermocouple and RTD (Resistance Temperature Detector) sensors, and a full range of accessories including thermowells, protection tubes, extension cables and connectors.

Entec manufactures all its own sensors in-house, which enables us to provide complete flexibility and quick turnaround times to meet the market demand.

WHAT MAKES ENTEC'S TEMPERATURE SENSORS DIFFERENT?

- **Custom design**
- **Fast response**

Entec has more than 35 years of experience in this specialist field, allowing us to customise a temperature sensor design to almost any conceivable requirement. While there are many different suppliers and brands in the market, only Entec can bring this degree of custom design and flexibility.

This means that we can work with non-standard temperature ranges, or a requirement for a particular material type. Our sensors are designed and manufactured with quality and long service life in mind.

Crucially, we can design sensors to have very fast response times, which provides a massive advantage in certain processing applications such as milk pasteurisation. Our experience in design and our attention to detail in the manufacturing process means that our sensors provide excellent accuracy and repeatability.

When required for external traceability, we can provide an IANZ calibration certificate for each sensor we manufacture.

And because we are primarily a service company, we design and manufacture our sensors to be easily maintained, increasing reliability and lowering the long-term cost of ownership.

WHY DOES THIS MATTER?

- **Accuracy**
- **Compliance**

For a simple temperature measurement application where accuracy or response time isn't too important; it doesn't really matter.

But if your process demands accuracy or fast response, or if the temperature ranges or material selection are a bit out of the ordinary, or if you need to work in sanitary conditions, then Entec's experience and flexibility will be a big help to you.

Where there are requirements for compliance, such as with food safety standards, or if the value of your processed material is significant and dependent on accurate temperature measurement, then buying your temperature sensors from Entec will provide you with peace of mind.

HOW ELSE CAN ENTEC HELP WITH MY PROCESS MEASUREMENT?

Entec has a large team of instrumentation technicians which operates nationwide, across a wide range of industries. We carry out routine service work, calibration, troubleshooting and repairs. Our team is backed by our IANZ accredited quality system which covers temperature, pressure and electrical measurement classes. We can undertake instrumentation calibrations to an IANZ standard either in our calibration laboratory, or on our customers' sites.

And, our instrumentation team is complemented by the rest of Entec; specialists in hazardous area electrical installation and maintenance, design and manufacture of switchboards and mobile plant rooms, portable and fixed gas detection systems, and rotating equipment technicians.

WHERE ARE ENTEC'S TEMPERATURE SENSORS USED?

Our regular customers are in the following industry sectors:

- Food and beverage processing
- Dairy processing
- Paint, resin and chemical manufacture
- Spacecraft manufacture
- Plastics manufacture
- Oil and gas processing
- Timber processing
- Materials handling and packaging

CONTACT INFORMATION:

Auckland, 57g McLaughlins Road , Manukau City 2104, New Zealand, +64 9 277 2211

New Plymouth, 674 Devon Road , New Plymouth 4312 , New Zealand, +64 6 758 3030

Christchurch, 156 Milns Road, Hallswell, Christchurch 8025, +64 3 266 0808

www.entec.co.nz | sales@entec.co.nz

www.gasdetectors.co.nz

