

Ashcroft OEM Temperature Sensors

**CUSTOM SOLUTIONS FOR
YOUR APPLICATIONS**

Welcome to Ashcroft

Ashcroft is a leading manufacturer of customer OEM pressure transducers and now is offering a full line of custom OEM temperature sensors for a wide variety of applications.

Contact us to help you take-on your next project:

✉ info@ashcroft.com

☎ 1.800.328.8258


🌐 ashcroft.com




The background of the page features a close-up photograph of an Ashcroft ITS temperature sensor. The sensor is a long, thin probe with a red-to-blue gradient, inserted into a dark, cylindrical housing. A digital display on the housing shows the temperature reading "30.2°C" in red. To the right of the display is a red and blue indicator window. The entire image is partially obscured by a large white diagonal shape that tapers towards the bottom right, and a solid blue triangle is in the bottom left corner.

ASHCROFT® ITS TEMPERATURE SENSORS

Ashcroft temperature sensors are as unique as your application. Ready to connect side-by-side with our extensive catalog of pressure transducers, this complete line of temperature probes will satisfy nearly any OEM requirement.

With ITS and KTS sensors you'll be able to select from a long list of features and sizes to ensure ideal fit and function. Sensor types include thermocouple, RTD, KTY and NTC while a variety of mounting options, custom probe lengths and electrical connections enable easy system integration. Do you need a feature that is not on our specification list? Just let us know your requirements and we'll get to work on a custom solution, designed to your specifications.

	ITS1 SENSOR	ITS2 SENSOR	ITS3 SENSOR
			
DESCRIPTION	Metal probe sheath with extension cable	Plastic overmolded temperature sensor	Threaded temperature sensor with extension cable
SENSOR	RTD, NTC, KTY, Thermocouples, custom	RTD, NTC, KTY, Thermocouples, custom	RTD, NTC, KTY, Thermocouples, custom
OUTPUT	RTD, Thermistor, Thermocouple, 4-20mA, custom	RTD, Thermistor, Thermocouple, 4-20mA, custom	RTD, Thermistor, Thermocouple, 4-20mA, custom

	ITS4 SENSOR	ITS5 SENSOR	KTS1 SENSOR
			
DESCRIPTION	Threaded temperature sensor with connector	Clamp on temperature sensor with extension cable	Custom output temperature sensor
SENSOR	RTD, NTC, KTY, Thermocouples, custom	RTD, NTC, KTY, Thermocouples, custom	RTD (PT100/PT1000)
OUTPUT	RTD, Thermistor, Thermocouple, 4-20mA, custom	RTD, Thermistor, Thermocouple, 4-20mA, custom	Ratiometric, 0-10V, 4-20mA, CAN, 12C, custom

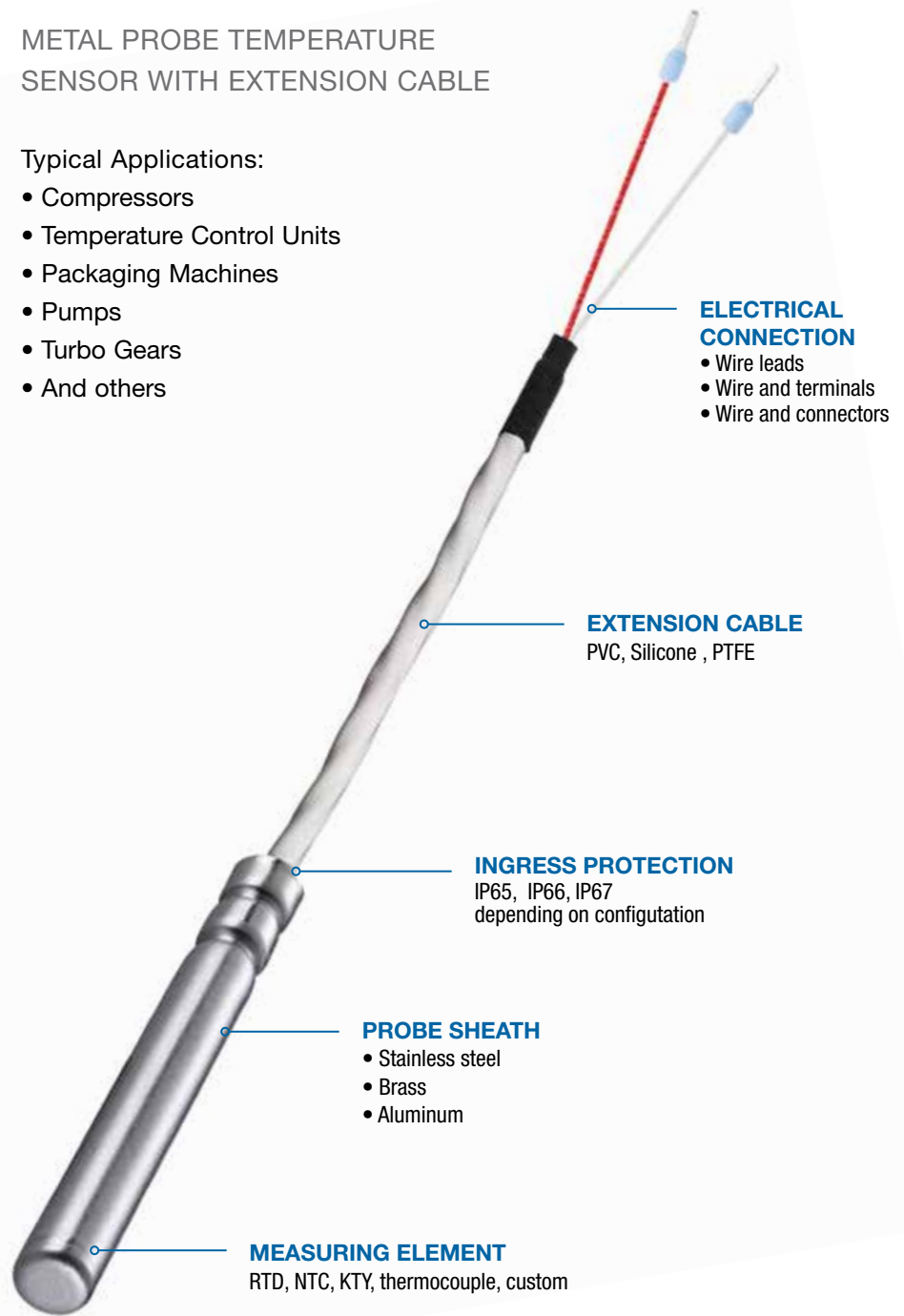


ASHCROFT ITS1 Temperature Sensor

METAL PROBE TEMPERATURE
SENSOR WITH EXTENSION CABLE

Typical Applications:

- Compressors
- Temperature Control Units
- Packaging Machines
- Pumps
- Turbo Gears
- And others



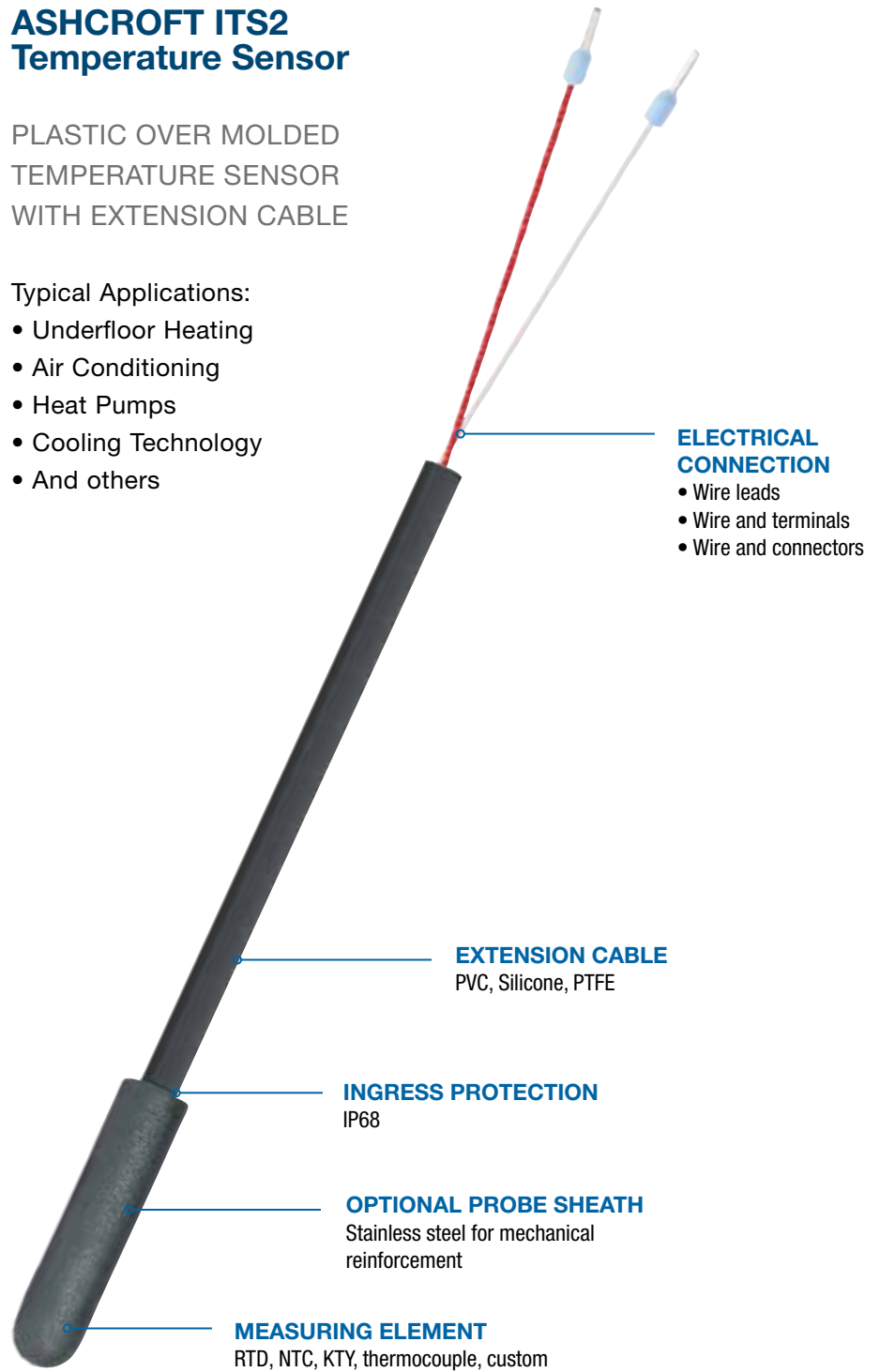


ASHCROFT ITS2 Temperature Sensor

PLASTIC OVER MOLDED
TEMPERATURE SENSOR
WITH EXTENSION CABLE

Typical Applications:

- Underfloor Heating
- Air Conditioning
- Heat Pumps
- Cooling Technology
- And others



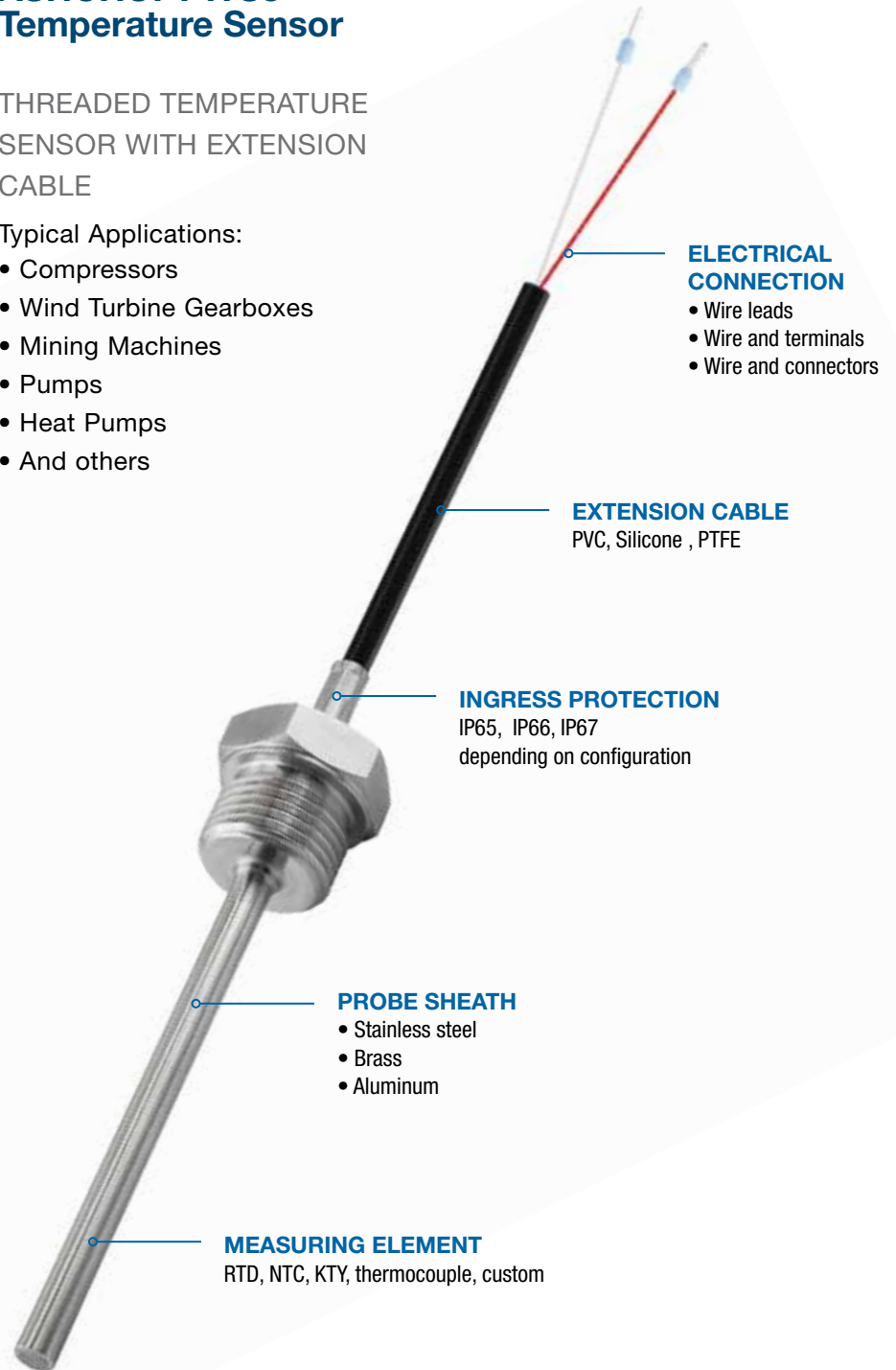


ASHCROFT ITS3 Temperature Sensor

THREADED TEMPERATURE
SENSOR WITH EXTENSION
CABLE

Typical Applications:

- Compressors
- Wind Turbine Gearboxes
- Mining Machines
- Pumps
- Heat Pumps
- And others





ASHCROFT ITS4 Temperature Sensor

THREADED TEMPERATURE
SENSOR WITH CONNECTOR

Typical Applications:

- Compressors
- Injection Molding Machines
- Pumps
- Mobile Working Machines
- Heat Pumps
- And others

PLUG CONNECTION

- DT104-2P
- M12,
- Din 72585,
- EN 175301-803A
- Blade
- Amp Junior
- Custom



INGRESS PROTECTION

IP65, IP66 , IP67
depending on configuration

PROBE SHEATH

- Stainless steel
- Brass
- Aluminum

MEASURING ELEMENT

RTD, NTC, KTY, thermocouple, custom

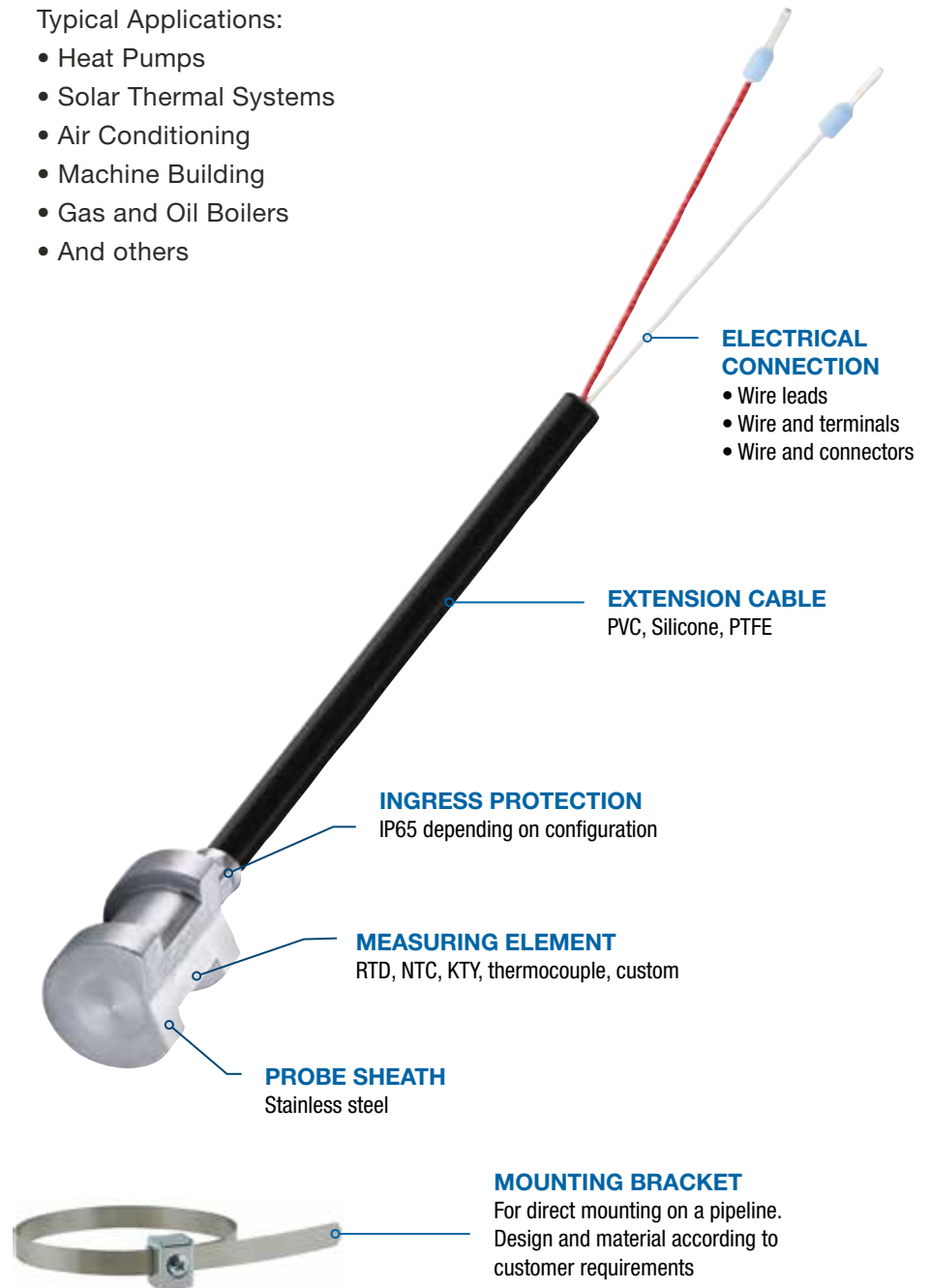


ASHCROFT ITS5 Temperature Sensor

CLAMP ON TEMPERATURE
SENSOR WITH EXTENSION
CABLE

Typical Applications:

- Heat Pumps
- Solar Thermal Systems
- Air Conditioning
- Machine Building
- Gas and Oil Boilers
- And others



ELECTRICAL CONNECTION

- Wire leads
- Wire and terminals
- Wire and connectors

EXTENSION CABLE
PVC, Silicone, PTFE

INGRESS PROTECTION
IP65 depending on configuration

MEASURING ELEMENT
RTD, NTC, KTY, thermocouple, custom

PROBE SHEATH
Stainless steel

MOUNTING BRACKET
For direct mounting on a pipeline.
Design and material according to
customer requirements



ASHCROFT KTS1 Temperature Sensor

CUSTOM OUTPUT
TEMPERATURE SENSOR

Typical Applications:

- Compressors
- Injection Molding Machines
- Pumps
- Mobile Working Machines
- Heat Pumps
- And others

PLUG CONNECTION

- EN 175301-803A
- DT04-2P
- Custom

INGRESS PROTECTION

IP67, IP69
depending on configuration

PROBE SHEATH

Stainless steel

MEASURING ELEMENT

RTD (PT100,PT1000)



- Ranges starting from -70°C up to 200°C
- Outputs: Ratiometric, 4 to 20 mA, voltage, CAN, 12C, custom
- Custom probe lengths

Choose Ashcroft for Your Temperature Measuring Solution

For more information talk to your Ashcroft sales person to discuss your specific requirements. We will work with you to develop and define detailed sensor specification that will work in your application.

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