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
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.
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<tr>
<th>Description</th>
<th>ITS1 Sensor</th>
<th>ITS2 Sensor</th>
<th>ITS3 Sensor</th>
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<tr>
<td>Metal probe sheath with extension cable</td>
<td>Plastic overmolded temperature sensor</td>
<td>Threaded temperature sensor with extension cable</td>
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<tr>
<td>Sensor</td>
<td>RTD, NTC, KTY, Thermocouples, custom</td>
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<tr>
<td>Output</td>
<td>RTD, Thermistor, Thermocouple, 4-20mA, custom</td>
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<th>ITS4 Sensor</th>
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<th>KTS1 Sensor</th>
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<tr>
<td>Threaded temperature sensor with connector</td>
<td>Clamp on temperature sensor with extension cable</td>
<td>Custom output temperature sensor</td>
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<tr>
<td>Sensor</td>
<td>RTD, NTC, KTY, Thermocouples, custom</td>
<td>RTD, NTC, KTY, Thermocouples, custom</td>
<td>RTD (PT100/PT1000)</td>
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<tr>
<td>Output</td>
<td>RTD, Thermistor, Thermocouple, 4-20mA, custom</td>
<td>RTD, Thermistor, Thermocouple, 4-20mA, custom</td>
<td>Ratiometric, 0-10V, 4-20mA, CAN, 12C, custom</td>
</tr>
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</table>
ASHCROFT ITS1 Temperature Sensor

METAL PROBE TEMPERATURE SENSOR WITH EXTENSION CABLE

Typical Applications:
• Compressors
• Temperature Control Units
• Packaging Machines
• Pumps
• Turbo Gears
• And others

PROBE SHEATH
• Stainless steel
• Brass
• Aluminum

INGRESS PROTECTION
IP65, IP66, IP67 depending on configuration

ELECTRICAL CONNECTION
• Wire leads
• Wire and terminals
• Wire and connectors

EXTENSION CABLE
PVC, Silicone, PTFE

MEASURING ELEMENT
RTD, NTC, KTY, thermocouple, custom
ASHCROFT ITS2 Temperature Sensor

PLASTIC OVER MOLDED TEMPERATURE SENSOR WITH EXTENSION CABLE

Typical Applications:
• Underfloor Heating
• Air Conditioning
• Heat Pumps
• Cooling Technology
• And others

ELECTRICAL CONNECTION
• Wire leads
• Wire and terminals
• Wire and connectors

EXTENSION CABLE
PVC, Silicone, PTFE

INGRESS PROTECTION
IP68

OPTIONAL PROBE SHEATH
Stainless steel for mechanical reinforcement

MEASURING ELEMENT
RTD, NTC, KTY, thermocouple, custom
ASHCROFT® OEM TEMPERATURE SENSORS

ASHCROFT ITS3 Temperature Sensor

THREADED TEMPERATURE SENSOR WITH EXTENSION CABLE

Typical Applications:
- Compressors
- Wind Turbine Gearboxes
- Mining Machines
- Pumps
- Heat Pumps
- And others

INGRESS PROTECTION
IP65, IP66, IP67 depending on configuration

ELECTRICAL CONNECTION
- Wire leads
- Wire and terminals
- Wire and connectors

EXTENSION CABLE
PVC, Silicone, PTFE

PROBE SHEATH
- Stainless steel
- Brass
- Aluminum

MEASURING ELEMENT
RTD, NTC, KTY, thermocouple, custom
ASHCROFT® OEM TEMPERATURE SENSORS

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

PROBE SHEATH
Stainless steel

INGRESS PROTECTION
IP65 depending on configuration

MEASURING ELEMENT
RTD, NTC, KTY, thermocouple, custom

ELECTRICAL CONNECTION
- Wire leads
- Wire and terminals
- Wire and connectors

EXTENSION CABLE
PVC, Silicone, PTFE

MOUNTING BRACKET
For direct mounting on a pipeline. Design and material according to customer requirements
ASHCROFT® OEM TEMPERATURE SENSORS

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.

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

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