

Smiths Medical is the connection you can count on.

Temperature monitoring, especially in the operating room and during general anesthesia, is a crucial aspect of patient care. Smiths Medical temperature probes are superior in their manufacture and design, providing reliability, durability, and accuracy. The connection is the key.



The color-coded, keyed and insert-molded connections are designed for a sure fit every time.

Level 1® temperature probe features:

- Latex free
- Insert molded for connection uniformity
- Keyed for a one-way fit
- Color coded by series type
- Durable pin to socket connection
- Moisture-resistant, sealed connection

Cable Series	Color	Accuracy
Thermocouple	Blue	± 0.3 °C
400 Series	White	± 0.2 °C
700 Series	Gray	± 0.1 °C
70S Series	Green	± 0.3 °C

[data on file]

Cable Probe Availability Chart

Anatomical Probes	Cable Sensor Series			
	Thermocouple	400 Series	700 Series	70S Series
Esophageal Stethoscope	X	X	X	X
General Purpose (Esophageal/Rectal)	X	X	X	X
Skin	X	X	X	X
Tympanic	X	X		X
Foley		X		
Myocardial	X	X		

The service you need.

The importance of temperature monitoring and temperature management has been shown to be a vital tool in preventing unexpected and costly delays in patient transfer or discharge. Prevention, timely diagnosis, and treatment of patient complications from hypothermia, hyperthermia, and malignant hyperthermia are primary considerations of clinicians within the perioperative, emergency, and intensive

care areas. Smiths Medical understands today's busy health care environment. We provide the service you need. Our sales representative will assist you in determining which reusable cable sensor series to standardize on based upon your facility's multiparameter monitors and your need for accuracy.

Reusable Monitor Cables

Ref. Code	Description	Units/Case
C400-10	10 ft. Cable (3.05 m), for use with 400 series monitors	1
C400-10HP	10 ft. Cable (3.05 m), for use with 400 series monitors with HP connectors	1
C400-10KT	10 ft. Cable (3.05 m), for use with 400 series K-Thermia machines	1
C700-10	10 ft. Cable (3.05 m), for use with 700 series monitors	1
CTC-10	10 ft. Cable (3.05 m), for use with Thermocouple monitors	1
C70S-10	10 ft. Cable (3.05 m), for use with 700 series monitors (with 70S probes)	1
C70S-10A	10 ft. Cable (3.05 m), for use with 700 series Datascope and Marquette monitors (with 70S probes)	1
CTC-10S	10 ft. Cable (3.05 m), for use with Shiley, Sorin, and Mallinckrodt 8200 Thermocouple monitors	1

Most cables are available in 10, 15 and 20 ft. lengths (3.05, 4.57 and 6.1 m).



Urine Meter Foley Trays with Temperature Probes

Our Urine Meter Foley Trays are latex-free products, sequentially packaged and include a pre-attached Urine Meter and all items necessary for use.

Ref. Code	Description	Units/Case
UM400-16	Urine Meter with a 16 French Foley Catheter	10
UM400-18	Urine Meter with a 18 French Foley Catheter	10



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Please read the Instructions for Use supplied with the product for detailed instructions, warnings and cautions.



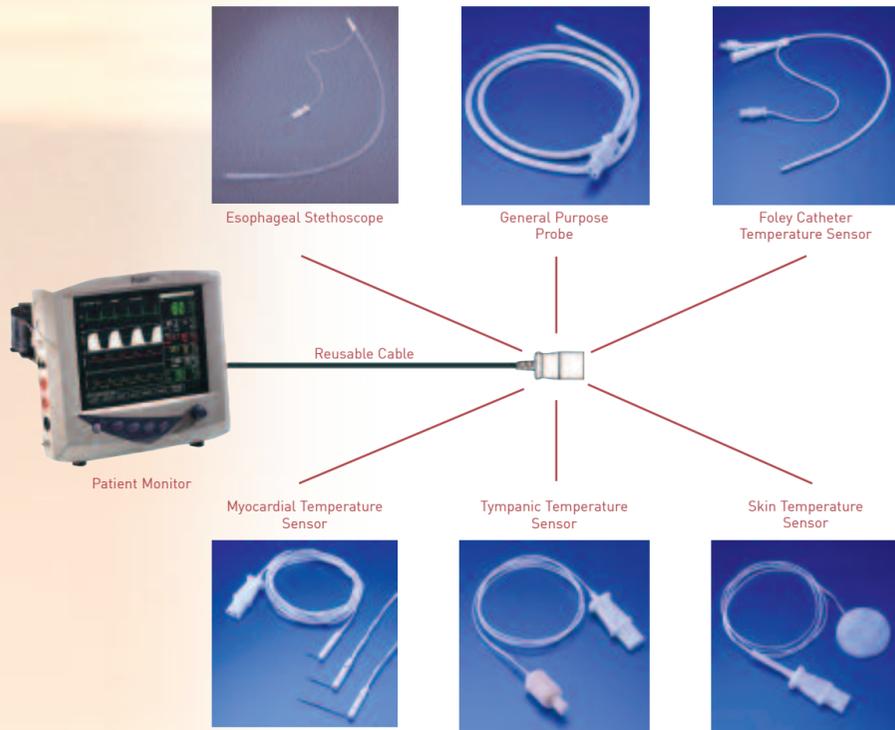
**Level 1®
 Temperature Monitoring**

**Standardize to
 one system**

**Accurate
 Universal
 Wide Range
 Reliable**

Standardize to a single temperature monitoring system.

Cost-effective quality patient care are the buzzwords of today's managed medical care environment. Clinicians and administrators consistently seek opportunities for preventative healthcare measures to control the costs of providing quality healthcare. Standardization of a temperature monitoring system is an effective cost-containment measure. A single reusable cable connects to a wide range of probe types providing an efficient and convenient system for temperature monitoring.



Hypothermia and Hyperthermia (including Malignant Hyperthermia) are concerns throughout the perioperative setting. Smiths Medical provides a full line of Level 1® probes for monitoring patient temperature. They are designed for use at a variety of anatomical sites to give the clinician flexibility based upon the surgical procedure and the patients' specific needs:

- esophagus
- rectum
- axilla
- ear
- bladder
- skin
- myocardium

Level 1® Temperature Probes

Product	Esophageal Stethoscope	General Purpose Probe	Skin Temperature Sensor	Foley Catheter Temperature Sensor	Myocardial Temperature Sensor	Tympanic Temperature Sensor																								
General Use	<ul style="list-style-type: none"> Placed into the esophagus to provide accurate measurement of core body temperature. Transmits heart and lung sounds to the anesthesiologist's earpiece. 	<ul style="list-style-type: none"> Placed in esophagus, rectum, nasopharynx or axilla to monitor body temperature. 	<ul style="list-style-type: none"> Monitors skin surface temperature during routine surgery and postoperative recovery. 	<ul style="list-style-type: none"> Monitors urinary output and bladder temperature. Facilitates urine drainage. Useful for dual monitoring capabilities of critically ill patients. Commonly used to monitor a patient's core body temperature during open-heart surgery. 	<ul style="list-style-type: none"> Used to monitor temperature changes in the septum and myocardium during open-heart surgeries. 	<ul style="list-style-type: none"> Measures tympanic membrane temperature from ear canal placement. Correlates well with core body temperature. 																								
Key Features	<ul style="list-style-type: none"> Exceptional sound quality. Smooth, heat-bonded cuff to tube transition minimizes potential for esophageal irritation. Long lead wires ensure that the connection to cable is away from the patient's face. Insulated sensor cap decreases the risk of patient shock or burn during electrocautery. 	<ul style="list-style-type: none"> 30 in. (76 cm) white PVC sleeve prevents exposure of the lead wire and is a barrier to moisture. Insulated and capped sensor tip reduces the risk of electrical shock or burn. Smooth, rounded tip for atraumatic insertion. 	<ul style="list-style-type: none"> Mylar reflective backing reflects operating room lighting; insulates sensor from heat created by lamps. Soft, flexible foam with hypoallergenic adhesive allows for easy placement and removal. Thin 36-gauge lead wire provides accurate temperature readings by reducing the potential for the ambient air to affect temperature monitoring. Embedded sensor lies flat against patient's skin. 	<ul style="list-style-type: none"> Dual function: provides accurate core body temperature readings and facilitates urine output. 100% silicone construction eliminates the risk of latex sensitivity reaction. Available in a wide range of sizes, including pediatric. Thin 36-gauge lead wire provides accurate temperature readings by reducing the potential for the ambient air to affect temperature monitoring. 13 in. (33 cm) side arm acts as strain relief; assures electrical connection is sealed and away from patient. Available in closed system tray reducing chances of infection entering the system. 	<ul style="list-style-type: none"> Ultrathin sensor inserted into the distal tip of a 22g needle provides an accurate temperature reading. Long 6 ft. (1.8 m) lead wire allows connection to be away from the patient, table, and also out of sterile field. Thin 36-gauge lead wire provides accurate temperature readings by reducing the potential for the ambient air to affect temperature monitoring. 400 Series used for direct connection to heart and lung machines, patient monitors, and hypo/hyperthermia machines. Available in three different needle lengths, 8, 15 and 30 mm. 	<ul style="list-style-type: none"> Soft memory cell foam conforms to ear canal, minimizing risk of injury to tympanic membrane; acts as a barrier to seal out ambient air. Push tube provides aid during insertion and acts as strain relief on wire. Thin 36-gauge lead wire provides accurate temperature readings by reducing the potential for the ambient air to affect temperature monitoring. Available in pediatric and adult sizes. 																								
Ordering Information	<table border="1"> <tr> <td>Thermocouple ESTC- 9 ESTC-12 ESTC-18 ESTC-24</td> <td>400 Series ES400- 9 ES400-12 ES400-18 ES400-24</td> </tr> <tr> <td>700 Series ES700- 9 ES700-12 ES700-18 ES700-24</td> <td>700 Series Substitute ES70S- 9 ES70S-12 ES70S-18 ES70S-24</td> </tr> </table> <p>20 Units Per Case</p>	Thermocouple ESTC- 9 ESTC-12 ESTC-18 ESTC-24	400 Series ES400- 9 ES400-12 ES400-18 ES400-24	700 Series ES700- 9 ES700-12 ES700-18 ES700-24	700 Series Substitute ES70S- 9 ES70S-12 ES70S-18 ES70S-24	<table border="1"> <tr> <td>Thermocouple ERTC- 9 ERTC-12</td> <td>400 Series ER400- 9 ER400-12</td> </tr> <tr> <td>700 Series ER700- 9 ER700-12</td> <td>700 Series Substitute ER70S- 9 ER70S-12</td> </tr> </table> <p>20 Units Per Case</p>	Thermocouple ERTC- 9 ERTC-12	400 Series ER400- 9 ER400-12	700 Series ER700- 9 ER700-12	700 Series Substitute ER70S- 9 ER70S-12	<table border="1"> <tr> <td>Thermocouple STS-TC</td> <td>400 Series STS-400</td> </tr> <tr> <td>700 Series STS-700</td> <td>700 Series Substitute STS-70S</td> </tr> </table> <p>20 Units Per Case</p>	Thermocouple STS-TC	400 Series STS-400	700 Series STS-700	700 Series Substitute STS-70S	<table border="1"> <tr> <td></td> <td>400 Series FC400- 8 FC400-10 FC400-12 FC400-14 FC400-16 FC400-18</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>20 Units Per Case</p>		400 Series FC400- 8 FC400-10 FC400-12 FC400-14 FC400-16 FC400-18			<table border="1"> <tr> <td>Thermocouple MTS-TC 8 MTS-TC 15 MTS-TC 30</td> <td>400 Series MTS-400 8 MTS-400 15 MTS-400 30</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>20 Units Per Case</p>	Thermocouple MTS-TC 8 MTS-TC 15 MTS-TC 30	400 Series MTS-400 8 MTS-400 15 MTS-400 30			<table border="1"> <tr> <td>Thermocouple TTS-TC TTSP-TC</td> <td>400 Series TTS-400 TTSP-400</td> </tr> <tr> <td></td> <td>700 Series Substitute TTS-70S TTSP-70S</td> </tr> </table> <p>20 Units Per Case</p>	Thermocouple TTS-TC TTSP-TC	400 Series TTS-400 TTSP-400		700 Series Substitute TTS-70S TTSP-70S
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