



Level 1™ Temperature Monitoring Probes

Accurate Temperature Management for Effective Patient Care

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Performance You'll Warm Up To

Help protect patients with precise temperature monitoring

Why monitoring matters

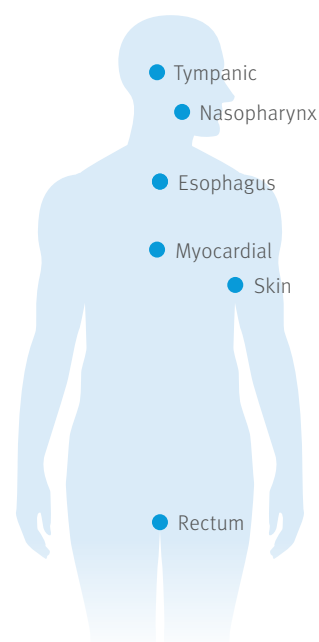
The moment anesthesia takes hold, your patient's core temperature starts to drop. In just 1 hour, it can drop by 34.9°F.¹ Without precise monitoring, unintended perioperative hypothermia can result, with potential complications including cardiovascular stress, increased infections, and prolonged recovery.^{2,3,4}

Anesthetized patients can't tell you they're cold.⁵ But our probes can.

Level 1 temperature monitoring probes deliver the accuracy and reliability you need to protect your patients. With a broad portfolio designed to meet a wide range of clinical needs, our probes allow you to maintain normothermia, reduce risks, and improve outcomes.

Choose Level 1 for:

- › **Accurate monitoring**
Real-time insights where it matters most
- › **Versatile options**
A broad portfolio for diverse patient care scenarios
- › **Enhanced patient care**
Support recovery and satisfaction with fewer complications.

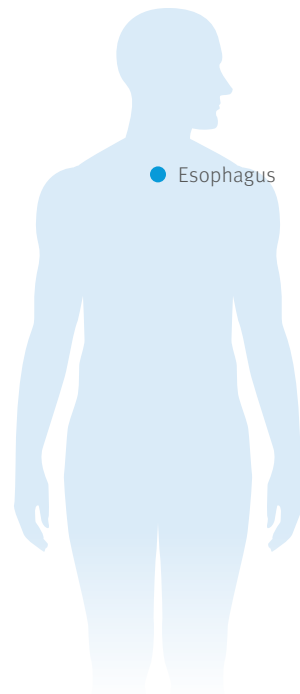
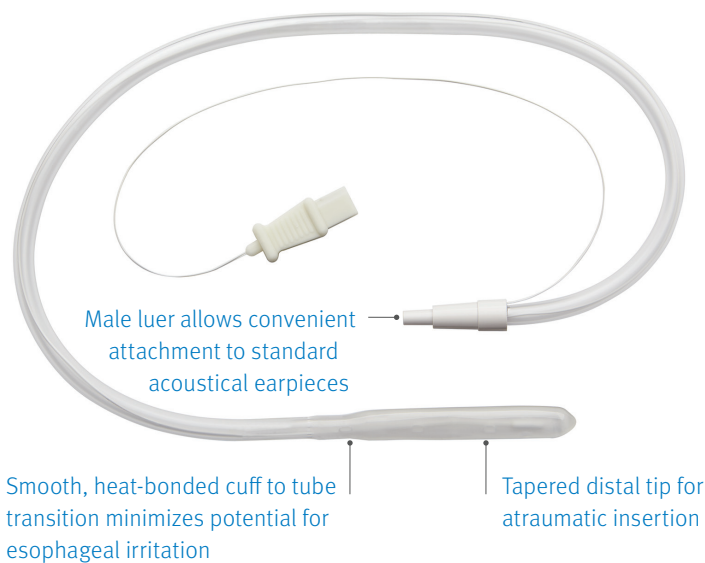


Level 1 temperature monitoring
placement sites

Esophageal Stethoscope

Placed in the esophagus to provide accurate measurement of core body temperature and transmit heart and lung sounds to an acoustical earpiece

- › Acoustic balloon is designed to enhance sound transmission quality.
- › Long lead wire helps ensure the connection to the cable is away from the patient’s face.

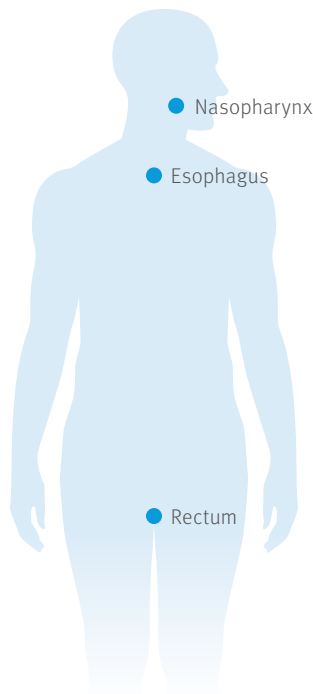
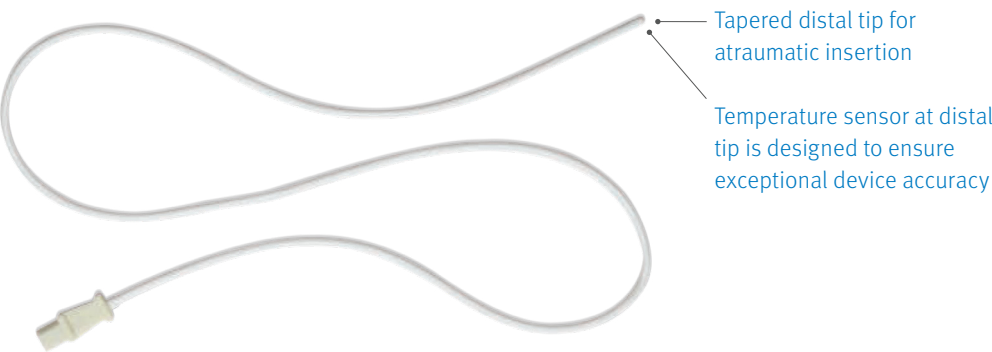


400 Series	Units per Case
ES400-9	20
ES400-12	20
ES400-18	20
ES400-24	20

General Purpose Probes

Placed in the esophagus, rectum, or nasopharynx to provide accurate measurement of core body temperature

- › Completely insulated temperature sensor is a barrier to moisture and is designed to ensure patient safety.
- › Pliable design helps ensure optimal device flexibility.

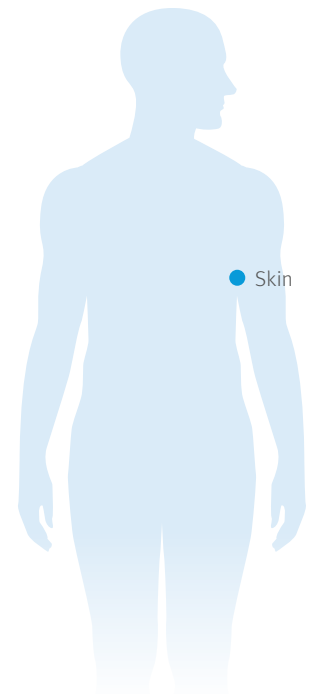
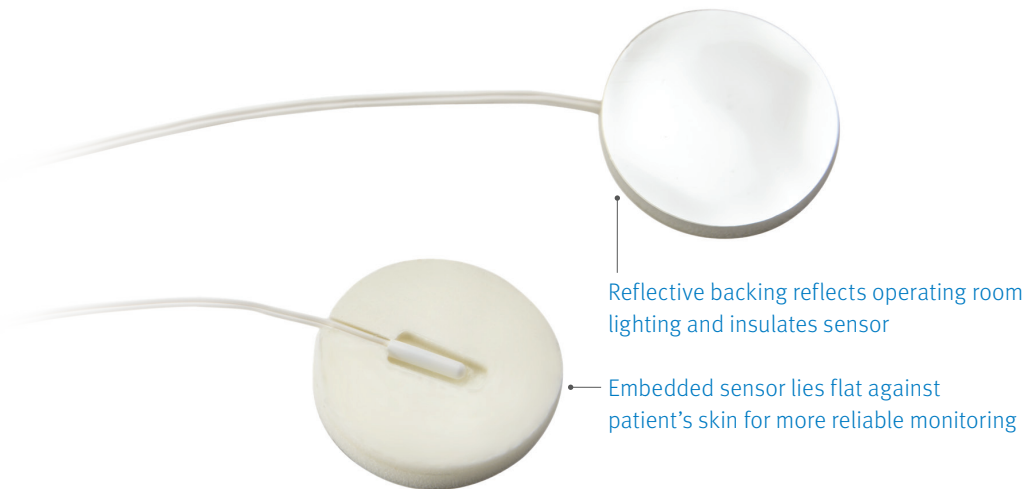


400 Series	Units per Case
ER400-9	20
ER400-12	20

Skin Temperature Sensor

Monitors surface temperature during routine surgery and postoperative recovery

- › Thin 36G lead wire provides accurate and reliable temperature readings.
- › Soft, flexible foam with hypoallergenic adhesive promotes ease of placement and removal.

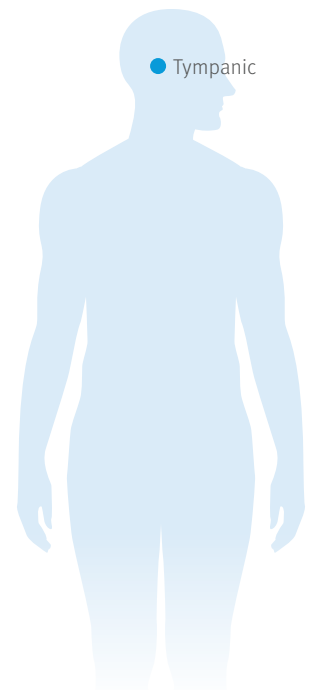
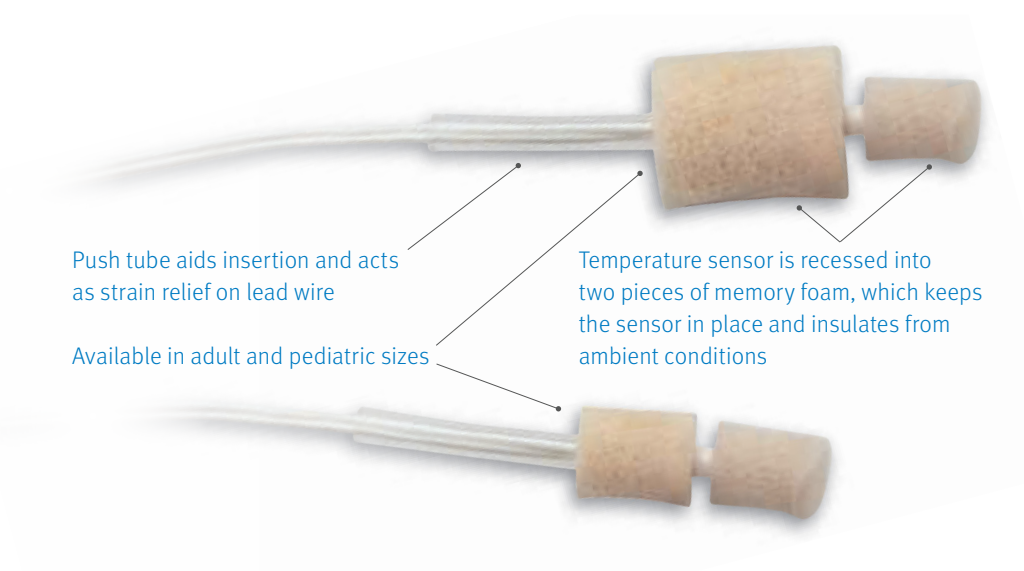


400 Series	Units per Case
STS-400	20

Tympanic Temperature Sensor

Provides a noninvasive means to monitor core body temperature from the tympanic membrane

- › Soft memory foam conforms to ear canal, minimizing risk of injury to the tympanic membrane.
- › Malleable design facilitates quick placement and conforms to each individual patient.

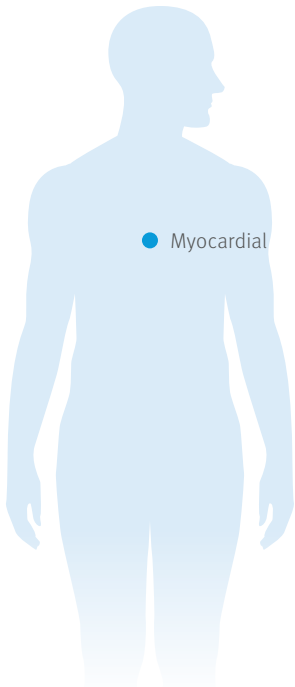


400 Series	Units per Case
TTS-400	20
TTSP-400	20

Myocardial Temperature Sensor

Monitors temperature changes in the septum and myocardium during open-heart surgery

- › Available in 8 mm, 15 mm, and 30 mm needle lengths
- › Long 6 ft (1.8 m) lead wire allows connection to be away from the patient and out of the sterile field.
- › Low-profile design improves temperature monitoring accuracy and is designed to ensure less traumatic application.



Needle is positioned at a right angle for ease of placement

Ultra-thin sensor placed at distal tip of 22G needle provides accurate and responsive temperature readings

400 Series	Units per Case
MTS-4008	20
MTS-40015	20
MTS-40030	20

Temperature Monitoring Reusable Cables

- › Robust design helps ensure exceptional quality and accuracy for repeated use.
- › Compatible with most 400 series, 700 series, 70S series, and thermocouple multifunction patient monitors
- › Provides a dedicated connection for Level 1 temperature monitoring probes and sensors.



Reusable cables are latex-free

Reference Code	Description	Units/Case
C400-5	5 ft Reusable Monitor Cable	1
C400-10	10 ft Reusable Monitor Cable	1
C400-10HP	10 ft Reusable Monitor Cable for HP Monitor	1
C400-15	15 ft Reusable Monitor Cable	1
C400-15HP	15 ft Reusable Monitor Cable for HP Monitor	1
C400-20	20 ft Reusable Monitor Cable	1
C400-20HP	20 ft Reusable Monitor Cable for HP Monitor	1



Level 1: Performance You'll Warm Up To

A full line of patient warming and temperature monitoring products to help keep patients warm and avoid unintended perioperative hypothermia



For more information, visit our website at icumedical.com or call customer service at 800-824-7890

1. Matsukawa T, Sessler DI, Sessler AM et al. Heat flow and distribution during induction of general anesthesia. *Anesthesiology* 1995; 82: 662–673.
2. Putzu M, Casati A, Berti M, Pagliarini G, Fanelli G. Clinical complications, monitoring and management of perioperative mild hypothermia: anesthesiological features. *Acta Biomed.* 2007 Dec;78(3):163-9.
3. Mahoney CB, Odom J. Maintaining intraoperative normothermia: a meta-analysis of outcomes with costs. *AANA J.* 1999 Apr;67(2):155-63.
4. Rauch S, Miller C, Bräuer A, et al. Perioperative hypothermia—A narrative review. *Int J Environ Res Public Health.* 2021 Aug 19;18(16):8749. doi: 10.3390
5. Sessler DI. Current concepts: Mild perioperative hypothermia. *N Engl J Med.* 1997;336(24):1730-1737.

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