CIRCA S-CATH™

Edge-to-Edge Coverage

During therapeutic procedures, esophageal temperatures can change quickly. Single sensor probes measure continuous core body temperature, not sudden temperature changes. The new and improved S-CATH provides faster, more accurate temperature detection.

- Soft, flexible self-expanding probe conforms to esophageal shape
- Proprietary sensor construction ensures rapid temperature transfer
- Delivers 240 data points per second; 12 temperature sensors update 20 times per second

Product Code Description

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All products carry the CE mark, comply with Medical Device Directive 93/42/EEC and are manufactured to Quality Systems ISO13485. This product is listed by CSA International as certified.

Indications for Use: The CIRCA S-CATH Esophageal Temperature Probe is intended for continuous temperature monitoring. The radiopaque probe is designed for placement in the esophagus. The CIRCA Temperature Monitor is indicated to display continuous temperature measurement (°C) from 12-sensor temperature probe.

1. Accuracy of the temperature sensors is ± 0.3°C within the rated output range of 25°C to 45°C and ± 0.4°C within the rated extended output range of 0° to 24.9°C.


3. In-house data. Test conducted by CIRCA Scientific.

Corporate Office
14 Inverness Drive East, Suite H-136
Englewood, CO 80112
www.CIRCASCIENTIFIC.com
Office: 1.303.951.8767 • Fax: 1.303.951.8769
info@circascientific.com

U.S. Patents 9,155,476 B2 and 9,668,655
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In vivo Data

**Faster Detection**

In an independent study of 198 applications in 10 patients, the S-CATH recognized an initial temperature rise of 0.2°C 17 seconds faster than a single sensor probe. (13.4±7.5 vs. 30.5±15.4 s; P < 0.001)

**17 Seconds Faster**

**Initial Temperature Rise:**

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<th>Giving you time to respond</th>
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**Multiple Sensors**

In the same independent prospective study of 198 applications in 10 patients, a temperature rise of >2.0°C was recorded 40 times by the S-CATH. Single sensor probes missed 90% of those temperature rises.

**Single Sensor Missed 90%**

**Temperature Rise >2.0°C Recorded:**

<table>
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<th>CIRCA S-CATH</th>
<th>40</th>
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**Bench Data**

**Faster to 38°C**

CIRCA S-CATH vs. single sensor 9F esophageal probe simultaneous submersion in warm water bath, representing optimal sensor positioning. Test conducted by CIRCA Scientific.

**3X Faster**

**Time (seconds) to Reach 38°C**

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<th>CIRCA S-CATH</th>
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**Enhanced Software, Expanded Features**

Continuous monitoring software is highly accurate in both hot and cold (down to 0°C) temperatures.1

- Four, user selectable low and high temperature alarms
- Graphic and numeric temperature display
- Easy video output to a larger screen display
- Conveniently record data for research

**Stationary Placement**

Sensor placement ensures proximity to the point of treatment; no need to move the probe once placed.

- Radiopaque shaft provides a visual landmark of the esophagus
- Indicates esophageal width and orientation
- Facilitates reduced use of fluoroscopy
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