General warnings and cautions:

- Rx Only: Federal (U.S.A.) law restricts this device to sale by or on the order of a physician.
- Single use only. Do not re-use. If re-used, cross-infection to patient may occur.
- Do not rinse, soak, wash, or sterilize. Material degradation and temperature inaccuracy may occur.
- Insert temperature probe into esophagus under fluoroscopic x-ray. Failure to use fluoroscopic x-ray during placement could result in accidental tracheal or bronchial intubation, airway obstruction.
- The probe is designed for use with CIRCA Scientific Interconnect Cable and Temperature Monitor only. Incompatible components can result in degraded performance and could lead to damage.

Indications for use:

The Esophageal Temperature Probe is intended for continuous temperature monitoring. The radiopaque probe is designed for placement in the esophagus.

Description:

The S-Cath™ Esophageal Temperature Probe provides continuous temperature measurement (°C) and operates in direct mode.

The components inside package are: a) radiopaque temperature probe with cable connector; b) stainless steel stylet; and c) plastic prep-tube.

Setup instructions:

The operator is responsible for checking the compatibility of the probe, interconnect cable, and monitor before use. Ensure only CIRCA Scientific components and equipment is connected.

S1) Remove probe from package.
S2) Visually inspect for damage, kinks, visible debris, and missing components. Do not use if any defects are observed.
S3) Connect temperature probe to monitor via interconnect cable by aligning snap-fit connectors and pushing firmly.
S4) Verify temperatures are displayed on monitor. If no temperature displays, verify connections are fully seated and resolve any error messages displayed on monitor.

S5) Disconnect probe from interconnect cable by grasping connectors. Do not pull on cable or probe wire to disconnect.

S6) Proceed with operating instructions below.

**Operating instructions:**

O1) Straighten S-Curve Portion of Probe

a. Grasp y-piece of probe with one hand and slide prep-tube over S-curve portion to approximately 20 mm (3/4”) from the end with other hand.

![Slide prep-tube over S-curve](image)

b. Grasp y-piece of probe with one hand and push stainless steel stylet until z-bend of stylet reaches y-piece.

![Push stylet in](image)
S-Cath™ Esophageal Temperature Probe

Instructions for Use:

c. Remove prep-tube and discard.

Note: Probe is now ready for insertion; proceed with step O2)

O2) Insert Probe into Esophagus

a. Apply water-soluble lubricant to outside of probe.

b. Insert probe into esophagus under fluoroscopic x-ray.

c. Once probe is placed, grasp end of stainless steel stylet and remove. Discard stylet.

Remove stylet and discard

d. Verify position of probe under fluoroscopic x-ray. If probe end does not appear as an S-shape, grasp y-piece and rotate probe until S-shape is visible. Reposition probe as required to achieve desired placement.

O3) Connect Probe to Monitor

a. Connect temperature probe to monitor via interconnect cable by aligning snap-fit connectors and pushing firmly.

b. Verify temperatures are displayed on monitor. If no temperature displays, verify connections are fully seated and resolve any error messages displayed on monitor.
Instructions for Use: S-Cath™ Esophageal Temperature Probe

O4) Disposition After Use
   a. Disconnect probe from interconnect cable by grasping connectors. Do not pull on cable or probe wire to disconnect.
   b. Remove probe from patient.
   c. Discard probe according to hospital’s disposal procedures.

Technical Information

<table>
<thead>
<tr>
<th>Temperature Sensors (12)</th>
<th>Accuracy of the temperature sensors is ± 0.3°C within the rated output range of 25°C to 45°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outside Diameter</td>
<td>10 Fr</td>
</tr>
<tr>
<td>Length</td>
<td>50 cm (tip to wye connector)</td>
</tr>
<tr>
<td>Transient Response</td>
<td>Heating transient response time is approximately seven seconds and cooling transient response time is approximately four and half seconds. (Note: time is for probe plunged from reference water bath to a water bath with a 2°C differential.)</td>
</tr>
</tbody>
</table>

Symbols Key

<table>
<thead>
<tr>
<th>REF</th>
<th>Catalogue Number</th>
<th>Rx Only</th>
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<tbody>
<tr>
<td>LOT</td>
<td>Lot Number</td>
<td>⚠️</td>
<td>Single use only. Do not re-use.</td>
</tr>
<tr>
<td>QTY</td>
<td>Quantity</td>
<td>📝</td>
<td>Consult instructions for use.</td>
</tr>
<tr>
<td></td>
<td>Date of Manufacture</td>
<td>🗓️</td>
<td>Manufacturer</td>
</tr>
</tbody>
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