2085
Conductivity cells
Measurement made easy
ABB conductivity cells – powerful technology, simple operation

Highly accurate cell constants
• measurements capability down to 0.055 µS/cm
• no in situ calibration required

Integral Pt100
• enables automatic temperature compensation

316 stainless steel
• corrosion-resistant wetted parts

Insertion and retractable versions
• Easy installation and operation
**Stainless steel cells – model 2085**

The 2085 conductivity cell is a retractable (withdrawable) cell designed for insertion in pipelines and vessels in most industrial applications. The retraction method enables installation without the need for costly bypasses and allows maintenance without process shutdown. The cells are constructed with stainless steel electrodes and are resistant to polarization, requiring virtually no maintenance. The design and method of construction has resulted in a world-class product with an enviable reputation for long life, quality and reliability.

These cells are suitable for a wide variety of applications such as:
- boiler feedwater
- steam condensate
- desalination plant
- semi-conductor
- distillation

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<table>
<thead>
<tr>
<th>Withdrawable cell (2085)</th>
<th>Specification</th>
<th>Ordering information</th>
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</thead>
<tbody>
<tr>
<td>Dimensions in mm (in)</td>
<td></td>
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<tr>
<td>1 m (3.3 ft) cable length with watertight plug and socket</td>
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<tr>
<td>Clearance for removal 130 (5.1)</td>
<td></td>
<td></td>
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<tr>
<td>Valve open 140 (5.5)</td>
<td></td>
<td></td>
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<tr>
<td>Valve closed 89 (3.5)</td>
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<td></td>
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<tr>
<td>Cell constant available 0.05 or 0.1</td>
<td></td>
<td>Order under part number 2085-000</td>
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<tr>
<td>Type Withdrawable</td>
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<td></td>
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<tr>
<td>Cell body Naval brass and 316 stainless steel</td>
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<tr>
<td>Electrode material 316 stainless steel</td>
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<tr>
<td>Fixing detail Used with model 2089 valve assembly 1½ in BSP parallel or NPT</td>
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<tr>
<td>Maximum pressure 10.5 bar (150 psi)</td>
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<td>Maximum temperature 110 °C (230 °F)</td>
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</tbody>
</table>

- 1 m (3.3 ft) cable with plug and socket
- Non temperature-compensated
- Temperature-compensated Pt100
- Cell constant K = 0.05
- Cell constant K = 0.1