

- **Highly accurate cell constants 0.05, 0.10 and 1.00**
  - Measurements capability down to 0.055  $\mu\text{S}/\text{cm}$
- **Integral Pt100**
  - Enables automatic temperature compensation
- **Multi-electrode method for high conductivities**
  - Enables advanced coating alarm
- **316 stainless steel, carbon and epoxy materials**
  - Corrosion-resistant wetted parts
- **Highly accurate cell constant**
  - No in-situ calibration required
- **Insertion, Immersion, Flow-through and Retractable versions**
  - Easy installation and operation



**ABB Conductivity Cells**  
**Powerful technology –**  
**simple operation**

Graphite Cells – Models 2025, 2045 and 2077

These conductivity measuring cells for flow, screw-in and dip-type mounting are manufactured from epoxy resin and have carbon electrodes. The method of construction and materials used give the cells excellent performance characteristics.

- High durability and impact resistance
- Excellent chemical resistance (6% acids, 8% alkalis).
- Accurate cell constants enabling direct replacement without re-calibration
- Easily cleaned (no other maintenance).

<div><div>Dip Cell Model 2025</div><div><div><div>Dims. in mm (in.)</div><div><p>The diagram shows a vertical dip cell with a cable at the top. Key dimensions include: total height 740 mm (29 in.), cable length 4.6 m (15 ft), retaining 'O' rings, adjustable mounting bracket, and base diameter 27 mm (1.06 in.). Two series are noted: Model 2025-400 Series with a height of 68 mm (2.6 in.) and Model 2025-600 Series with a height of 103 mm (4 in.).</p></div></div></div></div> <div><div>Specification</div><div><div>Cell constant available</div><div>0.1 or 1.0</div></div><div><div>Type</div><div>Dip type</div></div><div><div>Cell body</div><div>Loaded epoxy resin</div></div><div><div>Electrode material</div><div>Carbon</div></div><div><div>Fixing detail</div><div>Adjustable with bracket provided</div></div><div><div>Maximum press. bar (psi)</div><div>N/A</div></div><div><div>Maximum temp.</div><div>90°C (194°F)</div></div></div>
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Ordering Information

Order under part number

2025-000

Cell constant K = 0.1

4

Cell constant K = 1.0

6

Non-temperature compensated

0

Temperature compensated Pt100

5

...Graphite Cells – Models 2025, 2045 and 2077

<div><p><b>Screw-in Model 2077</b></p><p>Dim's. in mm (in.)</p><p>68 (2.67)</p><p>70 (2.75)</p><p>22 (0.86)</p><p>122 (4.8) (2077-600 Series)</p><p>87 (3.4) (2077-400 Series)</p><p>27 (1.06) dia.</p><p>1 in. BSP or NPT Thread</p></div>	<div><p><b>Specification</b></p><p><b>Cell constant available</b> 0.1 or 1.0</p><p><b>Type</b> Screw type</p><p><b>Cell body</b> Loaded epoxy resin</p><p><b>Electrode material</b> Carbon</p><p><b>Fixing detail</b> Threaded 1 in. BSP parallel or NPT</p><p><b>Maximum press. bar (psi)</b> 6.6 (100)</p><p><b>Maximum temp.</b> 100°C (212°F)</p></div>	<div><p><b>Ordering Information</b></p><p>Order under part number 2077-000</p><p>Cell constant K= 0.1 4</p><p>Cell constant K = 1.0 6</p><p>Threaded 1 in. BSP 0</p><p>Threaded 1 in. NPT 8</p><p>Non-temperature compensated 0</p><p>Temperature compensated Pt100 5</p></div>
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