

# **2085** Conductivity cells

ABB MEASUREMENT & ANALYTICS | DATA SHEET | DS/CONCEL-EN REV. H



## **Measurement made easy** ABB conductivity cells – powerful technology, simple operation

#### Highly accurate cell constants

- measurements capability down to 0.055  $\mu$ S/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

Withdrawable cell (2085)	Specification		Ordering information	
Dimensions in mm (in)	Cell constant available	0.05 or 0.1	Order under part number	2085-000
1 m (3.3 ft) cable length with watertight plug and socket	Туре	Withdrawable	Cell constant K = 0.05	3
	Cell body	Naval brass and	Cell constant K = 0.1	4
		316 stainless steel	1 m (3.3 ft) cable with plug and socket	0
	Electrode material	316 stainless steel	1 m (3 3 ft) cable without	1
5.5) Pen V	Fixing detail	Used with model 2089 valve assembly 1½ in	plug and socket	1
		BSP parallel or NPT	Non temperature-compensated	0
25 (1)	Maximum pressure	10.5 bar (150 psi)	Temperature-compensated Pt100	5 ———
1½ in BSP	Maximum temperature	110 °C (230 °F)		
35 (1.38)				



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