

hmi

high-accuracy
measurement
instruments

FICHA TÉCNICA DE PRODUTO

PRODUCT DATASHEET

HMI – Automação e Instrumentação, Lda.

Travessa da Indústria, nº 111
4780-573 Santo Tirso
PORTUGAL

Tel. +351 252 850 501
Fax. +351 300 013 487

Web: www.hmi.pt

Email: hmi@hmi.pt

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

2085

Conductivity cells



Measurement made easy

ABB conductivity cells – powerful technology, simple operation

Highly accurate cell constants

- measurements capability down to 0.055 $\mu\text{S}/\text{cm}$
- 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
	<p>Cell constant available 0.05 or 0.1</p> <p>Type Withdrawable</p> <p>Cell body Naval brass and 316 stainless steel</p> <p>Electrode material 316 stainless steel</p> <p>Fixing detail Used with model 2089 valve assembly 1½ in BSP parallel or NPT</p> <p>Maximum pressure 10.5 bar (150 psi)</p> <p>Maximum temperature 110 °C (230 °F)</p>	<p>Order under part number 2085-000</p> <p>Cell constant K = 0.05 3</p> <p>Cell constant K = 0.1 4</p> <p>1 m (3.3 ft) cable with plug and socket 0</p> <p>1 m (3.3 ft) cable without plug and socket 1</p> <p>Non temperature-compensated 0</p> <p>Temperature-compensated Pt100 5</p>

ABB Measurement & Analytics

For your local ABB contact, visit:
www.abb.com/contacts

For more product information, visit:
www.abb.com/measurement











We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB.
© ABB, 2022

3KXA111202R1001



Our offering:

 <p>Actuators and Positioners</p>	 <p>Analytical Instruments</p>
 <p>Device Management, Fieldbus and Wireless</p>	 <p>Flow Measurement</p>
 <p>Force Measurement</p>	 <p>Level Measurement</p>
 <p>Natural Gas Measurement</p>	 <p>Pressure Measurement</p>
 <p>Recorders and Controllers</p>	 <p>Temperature Measurement</p>

HMI – Automação e Instrumentação, Lda.

Travessa da Indústria, nº 111
4780-573 Santo Tirso
PORTUGAL

Tel. +351 252 850 501
Fax. +351 300 013 487

Web: www.hmi.pt

Email: hmi@hmi.pt