

A Higher Level of Performance



Data Sheet

Hydrocer

Submersible Level Transmitters

with Capacitive Ceramic Sensor



For more information, please visit >
www.hawkmeasure.com

Overview

Hydrocer - Submersible Level Transmitters



Description

Submersible level transmitters with capacitive ceramic sensor (Hydrocer Ceramic Hydrostatic)

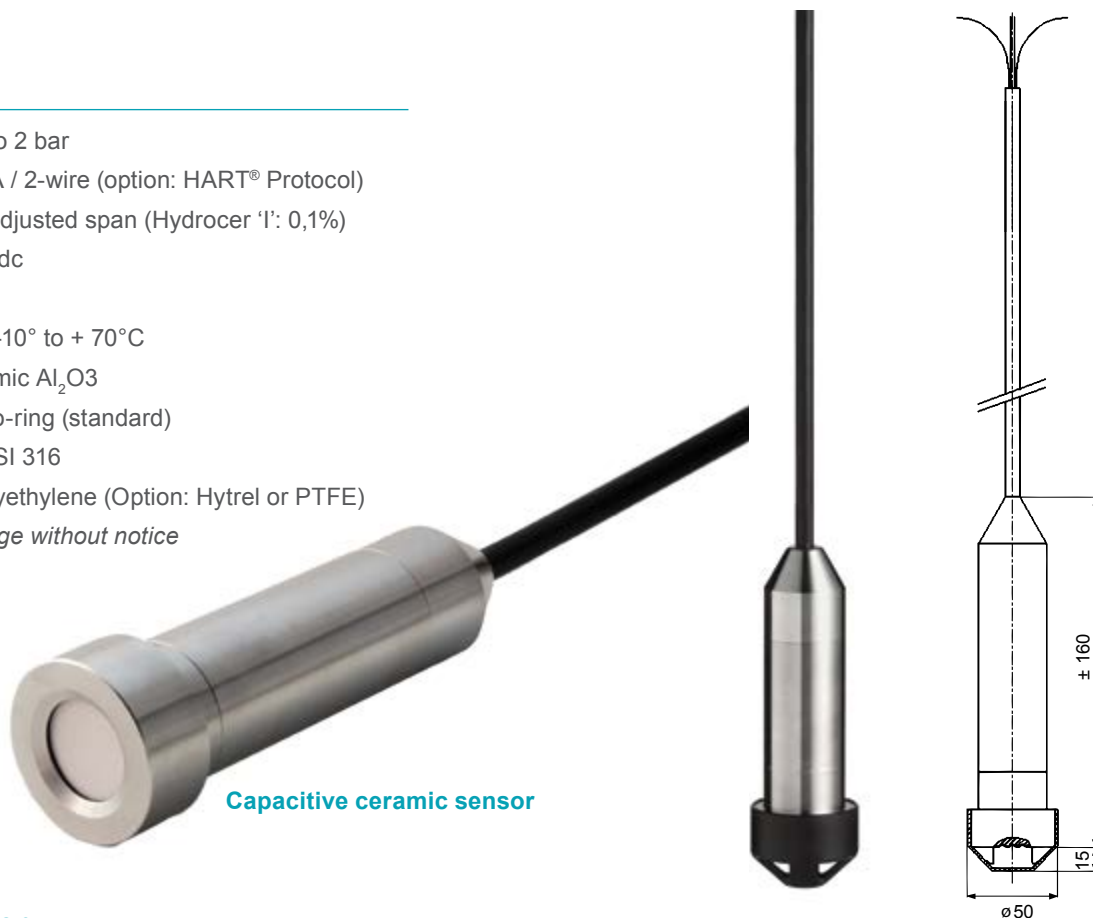
The "Hydrocer" is a hydrostatic submersible level transmitter with cable (IP 68) for level measurement in water & waste water, pulp, slurry, chemicals, etc.

The "Hydrocer" is based on a **Capacitive Ceramic sensor** / diaphragm and has a Fixed Range (Type FR) and an adjustable version by HART® Protocol, type Hydrocer 'I' (accuracy 0,1%) The instrument has active temperature compensation and a **perfect long term stability**.

Specifications

- Ranges: from 0.1 bar to 2 bar
- Output signal: 4-20 mA / 2-wire (option: HART® Protocol)
- Accuracy: 0.2% from adjusted span (Hydrocer 'I': 0,1%)
- Power supply: 9 - 36 Vdc
- Protection: IP 68
- Process temperature: -10° to + 70°C
- Sensor material: Ceramic Al₂O₃
- Sensor sealing: Viton o-ring (standard)
- Other wetted parts: AISI 316
- Material cable: PE Polyethylene (Option: Hytrel or PTFE)

Specifications can change without notice



Ordering Information

ORDERING CODE*	FIXED RANGE:	HYDROCER-CABLE(...m*)-FR-CALIBRATION*		
	ADJUSTABLE RANGE (by HART®):	HYDROCER-I-CABLE(...m*)-RANGE		
RANGES HYDROCER-'I': 1: 0 – 1 ...4 mWC 2: 0 – 4 ...10 mWC 3: 0 – 10...20 mWC 4: 0 – 20...50 mWC			↑	↑
MOUNTING OPTIONS				
• Mounting connection: Flange DIN or ANSI (specify size)			F	
• Other top mounting connections. Example: G2" thread (specify)			X	
OPTIONS				
• SPECIALS: For example: other cable material (specify)				G

* Always specify cable length and calibration at order code.

Features

- Accuracy 0.2% (Hydrocer 'I': 0,1%)
- Capacitive Ceramic Sensor
- Perfect long term stability
- Temperature compensated

Overview

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Application

The Hydrocer can be used for level measurement in all kind of fluids like water & waste water, pulp, slurry, chemicals, etc.

Typical applications are Level measurement in:

- Basins
- Deep wells
- Tanks / vessels
- Underground tanks
- Ballast tanks (shipbuilding)

General Information

Active Temperature Compensation

All "Hydrocer" level transmitters are fully temperature compensated

EMC / CE

All "Hydrocer" level transmitters are fully temperature compensated

Diaphragm Protection

All "Hydrocer" transmitters will be delivered with a diaphragm protection cap as standard.

Accessories



Cable clamp
Art. no. 20636



Junction Box FMD(IP67)
Art. no. 20069



HAWK, Since 1988

Hawk Measurement Systems Pty Ltd (HAWK) was established in 1988. It's founding members saw the universal requirement of various industries requiring improved process control and efficiency in their operations.

We Can Help

HAWK understands the difficulties customers face when seeking accurate level measurement. Every application is different, involving a multitude of environmental factors. This is where HAWK excels. Our aim is to ensure that customers feel comfortable with our technology, and are provided with long term and reliable solutions. We believe that a combination of application and product expertise, as well as forward thinking and proactive support policies are the foundation of successful customer-supplier relationships.

Hawk Measurement Systems (Head Office)

15 - 17 Maurice Court
Nunawading VIC 3131, AUSTRALIA

Phone: +61 3 9873 4750

Fax: +61 3 9873 4538

info@hawk.com.au

For more information and global representatives: www.hawkmeasure.com

Additional product warranty and application guarantees upon request.

Technical data subject to change without notice.

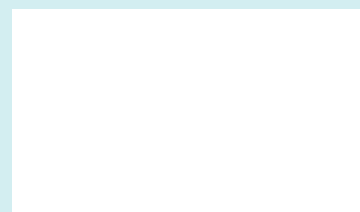
Progressive Technical Support

HAWK believes that the future of the Level Measurement Industry revolves around the quality of pre and post sales - support. Our aim is for all sales & support staff to be product experts, and more importantly application experts making our customers applications as efficient and consistent as possible.

Knowledge Sharing

HAWK believes that knowledge sharing is key to creating long term relationships. Empowering our customers and our worldwide distribution network, whilst being available at all times to lend a helping hand, is the perfect recipe for long term solutions and relationships. HAWK openly extends an invitation to share our 25 years of level measurement experience, and ensure that your day to day processes are efficient, understood, and always working.

Represented by:



Hawk Measurement

90 Glenn Street
Suite 100B, Lawrence, MA 01843, USA

Phone: +1 888 HAWKLEVEL (1-888-429-5538)

Phone: +1 978 304 3000

Fax: +1 978 304 1462

info@hawkmeasure.com