

A Higher Level of Performance



Data Sheet

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**AquaCer**

**Submersible Level Transmitters**

with Small Capacitive Ceramic Sensor



For more information, please visit >  
[www.hawkmeasure.com](http://www.hawkmeasure.com)

# Overview

## AquaCer - Submersible Level Transmitters



### Description

#### Submersible level transmitters with small capacitive ceramic sensor (AquaCer Ceramic Hydrostatic)

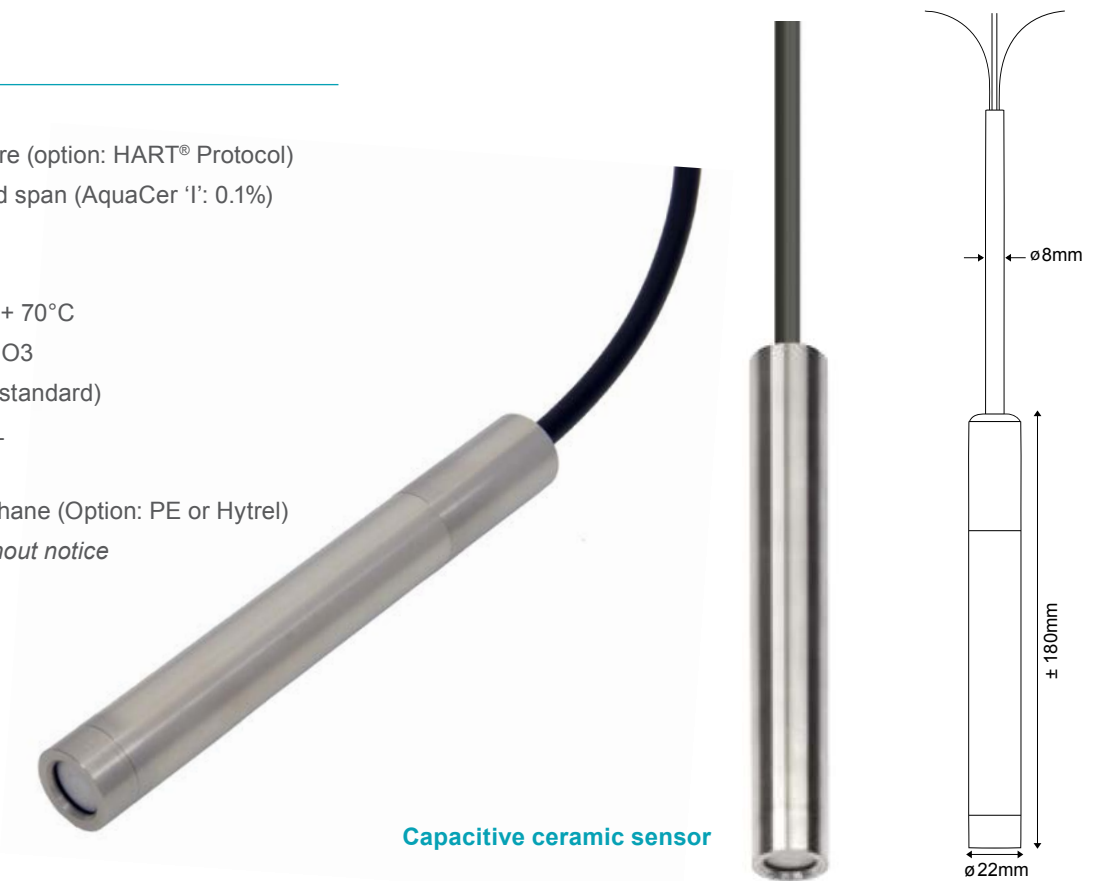
The "AquaCer" is a submersible hydrostatic level transmitter with cable (IP68) for level measurement in deep wells, water & waste water, etc.

The "AquaCer" is based on a **small Capacitive Ceramic sensor** / diaphragm and has a Fixed Range (Type FR) and an adjustable version (by HART Protocol), type AquaCer "I" (Accuracy 0.1%). The instrument has an active temperature compensation and a **perfect long term stability**.

### Specifications

- Ranges: 0.1 bar to 5 bar
- Output signal: 4-20 mA / 2-wire (option: HART® Protocol)
- Accuracy: 0.2% from adjusted span (AquaCer 'I': 0.1%)
- Power supply: 9 – 36 Vdc
- Protection: IP 68
- Process temperature: -10° to + 70°C
- Sensor material: Ceramic Al<sub>2</sub>O<sub>3</sub>
- Sensor sealing: Viton o-ring (standard)
- Other wetted parts: AISI 316L
- Diameter transmitter: 22mm
- Material cable: PUR Polyurethane (Option: PE or Hytrel)

*Specifications can change without notice*



Capacitive ceramic sensor

### Ordering Information

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

\* Always specify cable length and calibration at order code.

### Features

- Accuracy 0.2% (Option: 0.1%)
- Ceramic Capacitive Sensor
- Diameter 22 mm
- Perfect long term stability
- Temperature compensated

# Overview

## AquaCer - Submersible Level Transmitters



### Application

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The AquaCer can be used for level measurement in all kind of fluids, like drinking water, waste water, slurry, etc.

Typical applications are Level measurement in:

- Deep wells
- Tanks / vessels
- Underground tanks

### General Information

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#### Active Temperature Compensation

All "AquaCer" level transmitters are fully temperature compensated

#### EMC / CE

We manufacture all Transmitters according to the European CE rules.

### Accessories

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**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.

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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.

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