



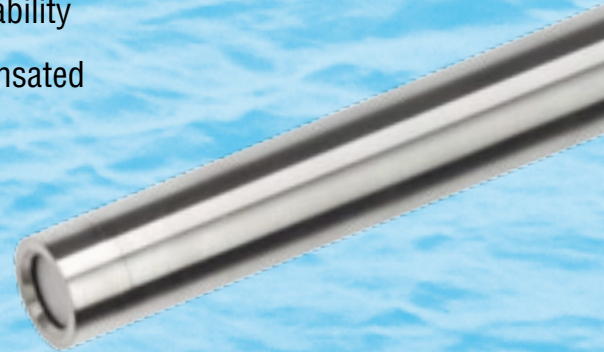
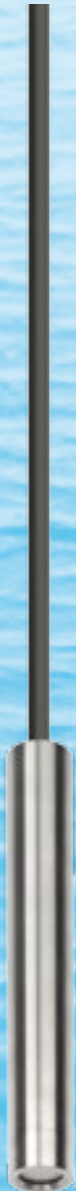
## SUBMERSIBLE LEVEL TRANSMITTERS

With small **Capacitive Ceramic sensor**

# AQUACER

**HART**  
COMMUNICATION PROTOCOL

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



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**.

Made by:

**KLAY-INSTRUMENTS B.V.**

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# 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 Al2O3
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

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

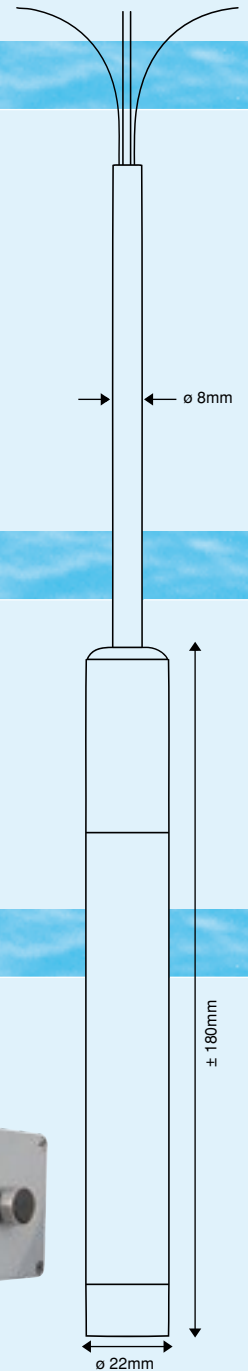
\* Always specify cable length and calibration at ordercode.

# Application

The Aquacer can be used for levelmeasurement 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

- **Active Temperature compensation**  
All "Aquacer" level transmitters are fully temperature compensated
- **EMC / CE**  
Klay Instruments manufactures all Transmitters according to the European CE rules.

# Accessories



Cable clamp  
Art. no. 20636



Junction Box  
FMD(IP67)  
Art. no. 20069

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