



SUBMERSIBLE LEVEL TRANSMITTERS

With **Capacitive Ceramic sensor**

HYDROCER



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



The "Hydrocer" is a hydrostatic submersible level transmitter with cable (IP 68) for levelmeasurement 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 '1' (accuracy 0,1%) The instrument has active temperature compensation and a **perfect long term stability**.

Made by:

 **KLAY-INSTRUMENTS B.V.**

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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 Al ₂ O ₃
Sensor sealing	: Viton o-ring (standard)
Other wetted parts	: AISI 316
Material cable	: PE Polyethylene (Option: Hytrel or PTFE)

Specifications can change without notice



Capacitive ceramic sensor

Ordering Information

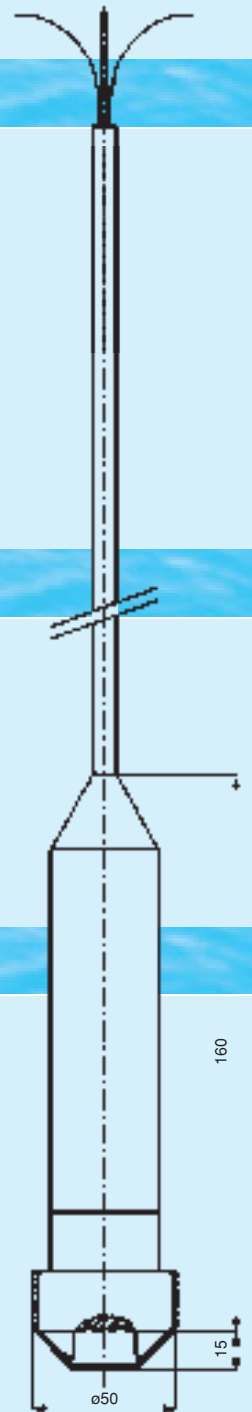
ORDERING CODE*	FIXED RANGE:	HYDROCER-FR-CABLE (...m) Calibration*		
	ADJUSTABLE RANGE (by HART®):	HYDROCER-I-CABLE (...m)-RANGE*-H		
	RANGES HYDROCER 'I': 1: 0 - 0,5 ... 1,5 mWC 2: 0 - 1 ... 4 mWC 3: 0 - 3 ... 9 mWC 4: 0-10 ... 20 mWC		↑	↑
MOUNTING OPTIONS				
- Mounting connection: Flange DIN or ANSI (specify size)			F	
- Other top mountingconnections. Example: G2" thread (specify)			X	
OPTIONS				
- SPECIALS: For example: other cable material (specify)				G

* Always specify cable length and calibration at ordercode

Application

The Hydrocer can be used for levelmeasurement 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**
Klay Instruments manufactures all Transmitters according to the European CE rules.
- **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