

DIGITAL CONDUCTIVITY SENSOR FOR IMMERSION



FEATURES

- Reliable conductivity measurement courtesy of graphite electrodes
- Two-electrode conductive measurement method with temperature compensation
- Sensor body in PVC
- No mechanical moving parts
- Immediate installation and easy maintenance
- Modbus RTU serial communication protocol

APPLICATIONS

- Artesian wells
- Pure and process water
- Raw water
- Drinking water
- Process water
- Water from air conditioning and boiler systems

TECHNICAL SPECIFICATION

Measurement range	0...20000 μ S
Measurement method	Two-electrode conductive
Accuracy	\pm 2.5% f.s.
Response time	90% of the value in less than 60 seconds
Refresh time	1 Secs
Temp compensation	With internal NTC sensor (external NTC sensor on request)
Operating temperature	0...50°C
Maximum operating pressure	10 bar
Body material	PVC
Electrode	Graphite
Mechanical protection	IP68 sensor & cable. The sensor is completely resin-coated inside
Power supply	12...24Vdc
Absorption	Max. 2W
Cable	10 m integral-10 m disconnectable cable
Equipotential contact	For solution included
Signal interface	RS485 with Modbus RTU protocol

DIGITAL INDUCTIVE CONDUCTIVITY SENSOR



FEATURES

- Operates in dirty water conditions up to 1 siemens
- Easily interfaced with data acquisition systems courtesy of Modbus RTU RS485 protocol
- Presence of four possible scales with one or two-point calibration
- Robust body in loaded PP
- Immediate installation

APPLICATIONS

- Wastewater
- Primary waters
- Cooling towers

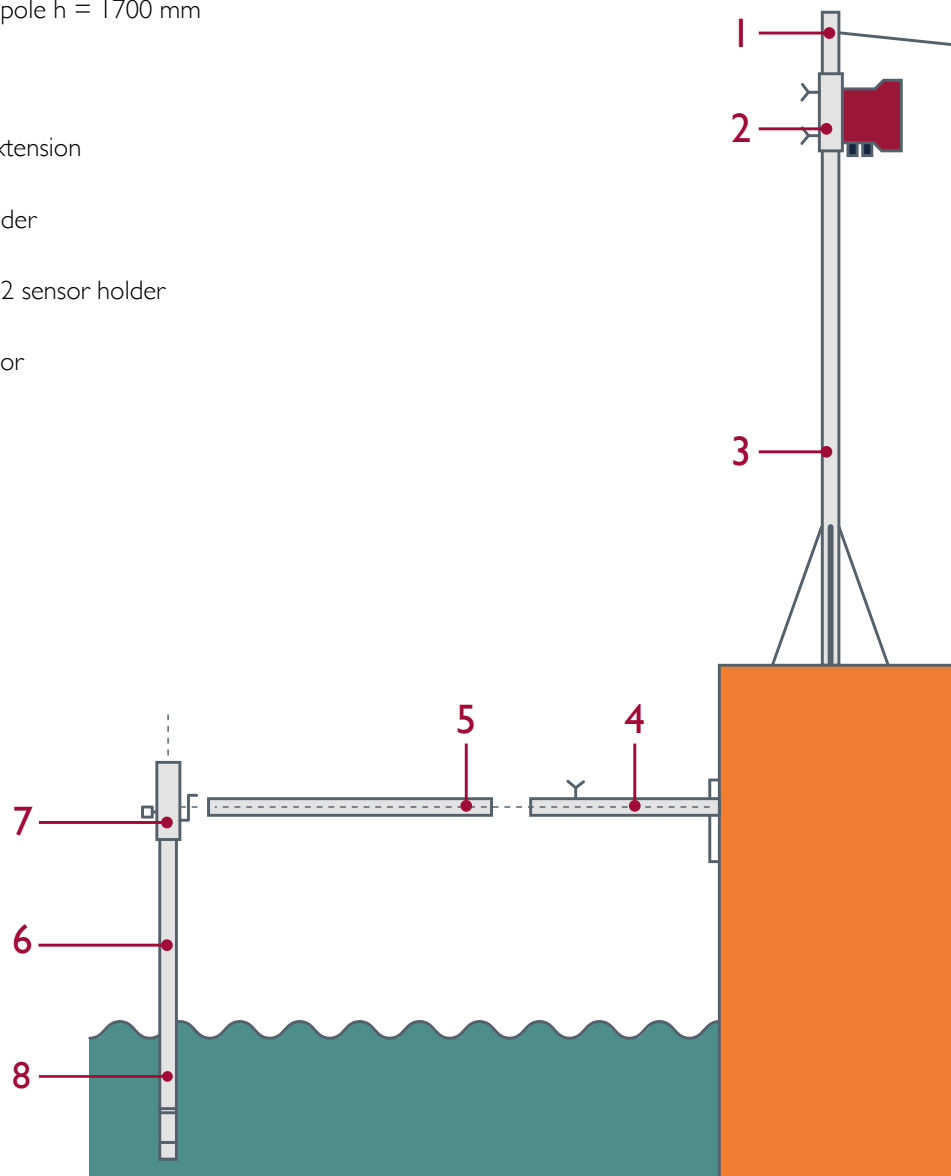
TECHNICAL SPECIFICATION

Measurement range	0,5...1.000 mS/cm
Accuracy	± 6% on the measuring point
Repeatability	± 3%
Response time	T90 <60s
Operating temperature	-10...60°C
Operating pressure	From vacuum to 6.5 bar
Body material	Glass-filled PP, PPS, Viton® O-ring
Mechanical protection	IP68 (Sensor & cable) / IP67 Connector
Power supply	12-24 Vdc
Cable	10 mt
Signal interface	RS485 Modbus RTU protocol
Thread	1" 1/2 GAS BSP
Measurement method	Inductive without contact electrodes
Temperature compensation	Automatic with built-in PT1000
Salinity	0-120g/kg (programmable conversion factor default 0,64)

INSTALLATION BRACKETS

DIAGRAM OF ACCESSORIES

- 1 Protection canopy
- 2 Measuring device
- 3 Floor slab with pole h = 600 mm
Floor slab with pole h = 1700 mm
- 4 Wall bracket
- 5 L = 700 mm extension
- 6 D42 sensor holder
- 7 Support for D42 sensor holder
- 8 Measuring Sensor



IMMERSION SENSOR HOLDERS



TECHNICAL SPECIFICATION

Material	Operating temperature
Polypropylene (PP) body Nylon fixing screw NBR O-Rings	max 80°C



TECHNICAL SPECIFICATION

Material	Operating Temperature	Immersion sensor holder
Polypropylene (PP) tube and cap Nylon fixing screw NBR O-Rings	max 80°C	For turbidity/suspended solids sensors

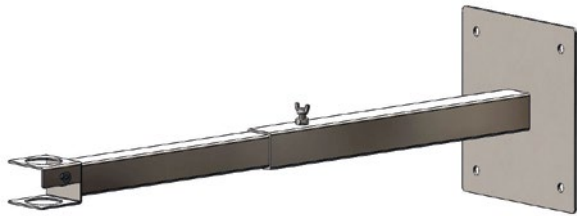


TECHNICAL SPECIFICATION

Material	Operating Temperature
Polypropylene (PP) tube and cap Nylon fixing screw PVC 45° fitting NBR O-Rings	max 80°C

SENSOR HOLDER SUPPORT

JOINTED & FIXED VERSION



BRACKET FOR SENSOR HOLDERS & ULTRASOUND SENSORS

- SS316 material
- Available with fixed or swivelling arm
- 800, 1400 mm or telescopic length
700...1200 mm arm
- U or L bracket for sensor holders/
ultrasound sensors



JOINTED SUPPORT

- Black PVC articulated parts and sensor
holder support
- SS316 plates and fixings
- SS316 fixing screws

STANDING POLE SUPPORT

- Standing pole for floor mounting or
poolside installation
- Designed for use with Ø 42 or 63mm
immersion sensor holder
- Allows for secure, strong mounting



BRACKET FOR INSERTION SENSOR FOR TURBIDITY/SS



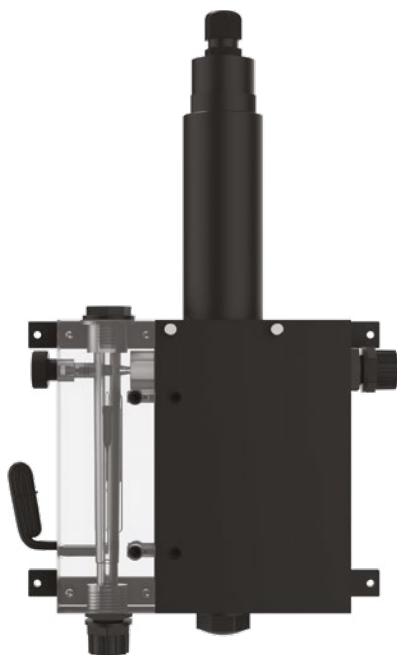
FEATURES

- Used for turbidity / suspended solids sensors
- Mounted onto pipes

TECHNICAL SPECIFICATION

Body material	SS316
Ball valve	DN 40 for extraction of the sensor without interruption of the process
Connection	Welded for mounting on pipe
Complete with	Safety sensor fixing brackets

BYPASS SENSOR HOLDER



FEATURES

- Modularity allows alternative sensors holders to be mounted
- No moving mechanical parts
- Easy emptying and cleaning

TECHNICAL SPECIFICATION

Materials	Black PVC and plexiglass body, aluminium plate, NBR seals
Operating Temperature	0...50°C
Maximum operating pressure	6 bar
Flow rate	min 60l/h - max 100l/h

BYPASS SENSOR HOLDER

A

Bypass sensor holder for three sensors
Ø 12mm

Pressure: up to 2 bar

Temperature: up to 50°C

Transparent vessel

pH range: 4,0...10 pH

Sensor types

pH and ORP (redox) 12 mm

pH and ORP (redox) 13.5 mm

Temperature: 12 or 13,5 mm

Conductivity: 12 or 13.5 mm

Oxygen: 13,5 mm



A I

Bypass sensor holder for three sensors
Ø 12mm

Pressure: up to 2 bar

Temperature: up to 50°C

Black vessel

pH range: 2,7...12 pH

Sensor types

pH and ORP (redox) 12 mm

pH and ORP (redox) 13.5 mm

Temperature: 12 or 13,5 mm

Conductivity :12 or 13.5 mm

Oxygen: 13,5 mm



B I

Bypass sensor holder for one sensor
Ø 35 or 42mm

Pressure: up to 2 bar

Temperature: up to 50°C

Black vessel

pH range: 2,7...12 pH

Sensor types

Turbidity 42 mm

Oxygen 35 mm



PROBE HOLDER FOR DIRECT INSERTION INTO PIPE



FEATURES

Insertion in-line probe holder with different materials and mechanical arrangements for a wide range of plant applications



TECHNICAL SPECIFICATION

Connection	Sensor connection	Maximum temperature	Maximum pressure	Materials
1/2" G.M	PG 13.5 or Ø 12 mm	60°C	6 bar	PVC
1"G.F	PG 13.5	60°C	16 bar	PP and PVC
3/4" or 1" 1/4 G.M	PG 13.5	80°C	16 bar	PP