

DIGITAL TURBIDITY SENSOR FOR LOW CONCENTRATIONS



FEATURES

- Measurement performed by 90° scattered light method compliant with ISO 7027 / EN 27027
- Immersion, insertion or bypass installation
- Stainless-steel body on request

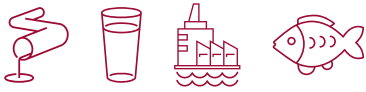
APPLICATIONS

- Drinking water
- Industrial process water
- Low-turbidity waters

TECHNICAL SPECIFICATION

Measuring range	0...10 NTU / 0...100 NTU
Measuring method	90° Scattered light
Resolution	0,01 NTU for 0...10 NTU range 0,1 NTU for 0...100 NTU range
Accuracy	≤ 5% of the measured value without calibration ≤ 1% of the measured value with calibration
Repeatability	±0.05 NTU for 0...10 NTU range ±0.5 NTU for 0...100 NTU range
Response time	T90 < 60s
Operating temperature	0...40°C
Maximum operating pressure	4 bar
Body material	Black PVC (on request Stainless-steel)
O-ring	Viton® and silicone
Optics	Special glass with oleophobic treatment
Mechanical protection	IP68 sensor and cable
Power supply	12...24Vdc
Power consumption	Max. 3W
Cable	10 mt integral with the sensor
Calibration	1-point and/or 2-point for scale
Signal interface	Modbus RTU standard protocol RS485

DIGITAL TURBIDITY SENSOR FOR HIGH CONCENTRATIONS



FEATURES

- Measurement performed by 90° scattered light method compliant with ISO 7027 / EN 27027
- Immersion, insertion or bypass installation
- Stainless-steel body on request

APPLICATIONS

- Untreated water
- Surface water
- Process water
- Industrial or municipal water

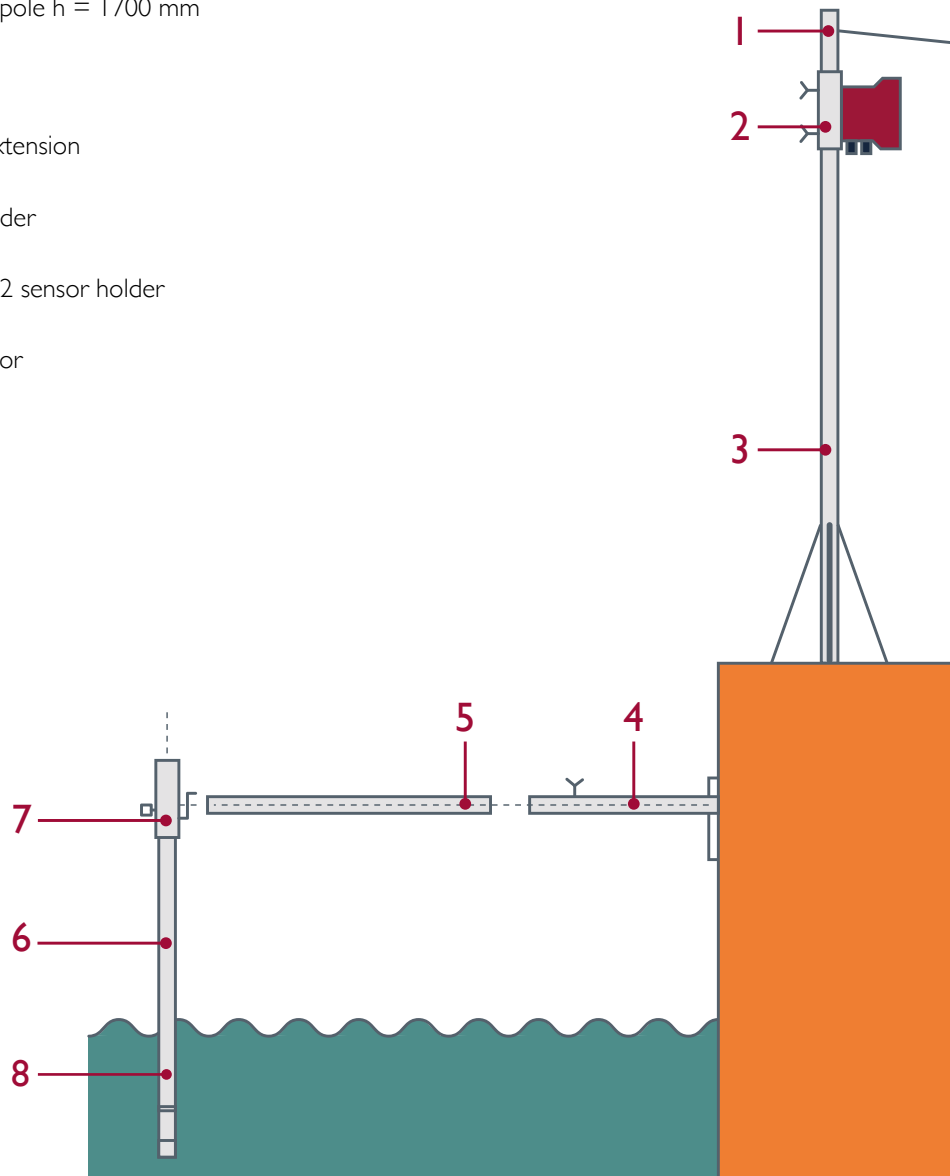
TECHNICAL SPECIFICATION

Measuring range	0...1000 NTU / 0...4000 NTU
Measuring method	90° scattered light
Resolution	1 NTU for 0...1000 NTU range 1 NTU for 0...4000 NTU range
Accuracy	±2% for 0...1000 NTU range ±5% for 0...4000 NTU range
Repeatability	±5 NTU for 0...1000 NTU range ±20 NTU for 0...4000 NTU range
Response time	T90 < 60s
Operating temperature	0...40°C
Maximum	4 bar
Body material	Black PVC (stainless-steel on request)
O-ring	Viton® and silicone
Optics	Special glass with oleophobic treatment
Mechanical protection	IP68 sensor and cable
Power supply	12...24Vdc
Power consumption	Max. 3W
Cable	10 mt integral with the sensor
Signal interface	Modbus RTU standard protocol RS485

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

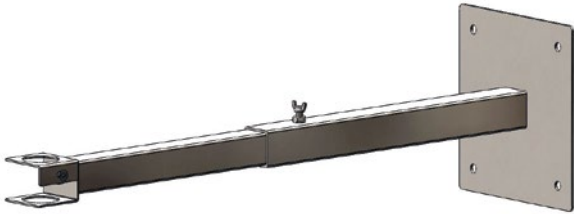


TECHNICAL SPECIFICATION

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 \varnothing 42 or 63mm immersion sensor holder
- Allows for secure, strong mounting



BRACKET FOR INSERTION SENSOR FOR TURBIDITY/SS



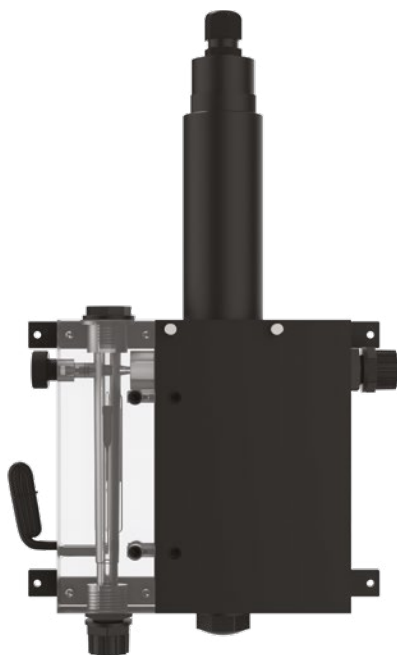
FEATURES

- 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



AI

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



BI

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
½" 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
¾" or 1" 1/4 G.M	PG 13.5	80°C	16 bar	PP