

VisiWater DO P Arc FC10

For Water and Waste Water Applications

Features

Measuring principle: phase and intensity measurement of luminescence quenching

Output can be configured for 4 - 20 mA

RS 485 output available with modbus

No electrolyte, no membrane, no risk of leakage or precipitation

No polarization required

Instant stable measurements, low drift and fast response

Replaceable sensor ODO caps

No minimum flow required, because sensor does not consume oxygen

VisiWater can be directly connected to PLC/ PC via 4/20 or RS 485 output.

Integral 10M cable

Plastic shaft PVC-U (salt water resistant)

Applications

Waste water treatment plants - ETP/CETP/STP

Ground water monitoring

River water monitoring

Fishing farms

Note:

Known interferences include: alcohols >5%; hydrogen peroxide >3%; sodium hypochlorite (commercial bleach) >3%; gaseous sulfur dioxide; gaseous chlorine; organic solvents (e.g., acetone, chloroform, methylene chloride, etc.), which may swell the sensing element and destroy it.

Do not use organic solvents for cleaning; they will damage the sensing element



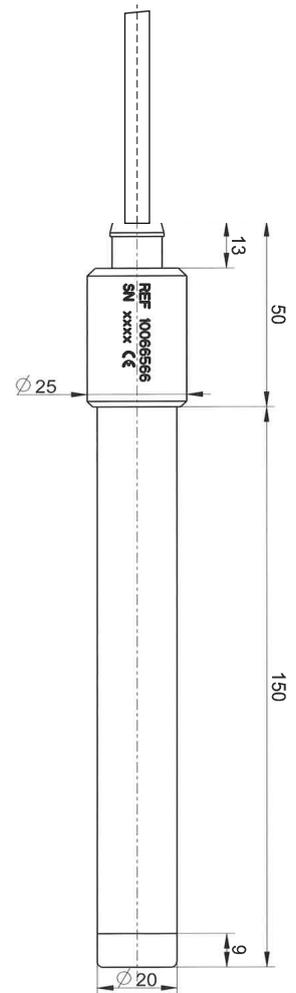
| Specifications | |
|-------------------------------|--|
| Measuring range | 0 to 24 ppm (0 to 300%sat.) |
| Response time | t90% < 30 sec., at 25°C |
| Temperature range | 60°C max |
| Pressure range | 12 bar max |
| Mechanical interface | Standard PG 13.5 |
| Sensor input | 7 ... 30 VDC power supply |
| Sensor outputs | - 4 ... 20 mA linear, temperature compensated dissolved oxygen signal - Digital RS485 Modbus interface output |
| Shaft material / Wetted parts | PVC - U / polyamide |
| Shaft diameter | 20mm |
| Shaft length | 150 mm |
| Cable | Integrated 10M cable |

| Features | Benefits |
|--|---|
| Fast response time | Minimal product waste in the process |
| Pressure and temperature | High reliability and stability of independent the measurement |
| Lifetime of red radiation and phase shift not affected by wear & tear, red reference LED | No need for intensive calibration thereby reducing risk of damage |
| No oxygen consumption | No stirring or flow control needed |
| Not affected by CO ₂ and H ₂ S | Demanding applications catered to |
| No electrolyte | No risk of leakage or precipitation and no need for complex replacement |

| Ordering Information | |
|-------------------------|------------|
| Model | Item Code |
| VisiWater DO P ARC FC10 | HT10066566 |

| Accessories | |
|-------------------------------|------------------|
| Replaceable DO sensor cap H2O | HT243536 |
| 2 mtr dip type system in PP | DT4010-BDB-FC10P |

Dimension Details



DO Cap - Model H2O



Forbes Marshall
Krohne Marshall
Forbes Marshall Arca
Codel International
Forbes Solar
Forbes Vyncke
Forbes Marshall Steam Systems

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