

VisiWater DO P Arc 150 FC10

Specification Sheet (Part/REF # 10066566)



The VisiWater has a fixed cable and plastic shaft making it ideal for submersible dissolved oxygen applications in the environmental water industry.

Product Specifications

| | |
|------------------------------------|---|
| Sensor Family | VisiWater |
| Parameter | DO (Optical) |
| Sensor Output | Arc: Modbus, 4 to 20 mA |
| a-length | 150 mm |
| Electrical Connector | 10 m Fix Cable / Open End |
| Measurement Principle | Oxygen dependent luminescence quenching, temperature compensation |
| Measuring Range | 4 ppb to 40 ppm (DO) or 0.1 to 1000 mbar (pO2) |
| Accuracy at 25 °C | 0.4 ppm ± 5 %; 8 ppm ± 1 %; 20 ppm ± 5 % |
| Drift at Room Temperature | < 1 % per week |
| Sensor Cap | ODO Cap H2O |
| Oxygen Consumption | None |
| Temperature Sensor | NTC 22 kOhm |
| Configurable Values | DO: mbar; %-sat; %-vol; µg/l; mg/l; ppb/ppm (gas); ppb/ppm (dissolved oxygen); Temperature: °C, °F, K |
| Diameter | 20 mm |
| Wetted Parts | EPDM (Ethylene propylene elastomer) VMQ (Silicone elastomer) PVC-U / Polyamide |
| 4 to 20 mA Current Range | 3.5 to 22 mA |
| Analog Interface 1 | 4 to 20 mA for DO, programmable |
| Digital Interface | RS485 Modbus (max. 31 addresses) |
| Baud Rate | 4800, 9600, 19200, 38400, 57600, 115200 Bd |
| Operating Voltage | 7 to 30 VDC max. 1 W |
| Serial Number | Yes |
| Response Time | t98% < 30 s at 25 °C |
| Certificate | Yes, with parameter settings and materials used |
| Operating Temperature Range | 0 to 60 °C |
| Pressure Range bar g | -1 to 12 bar |
| Protection Rating | IP 68 |
| Required Flow | None |

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/10066566>

Spec. Version D