

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

AN-310

Optical Dissolved Oxygen Sensor

Luminescence sensing with low drift and no electrolyte.

KEY FEATURES

- Optical luminescence — no membrane or electrolyte
- Low drift, one calibration per year
- Built-in self-diagnostics

The AN-310 measures dissolved oxygen by the quenching of luminescence on a sensor cap. There is no electrolyte to replace and no flow dependence.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Optical analysis
Measuring range	0 to 20 mg/L
Accuracy	±0.1 mg/L
OUTPUT	
Signals	4–20 mA, Modbus RTU
PROCESS	
Connection	Insertion
Process temperature	0 to 50 °C
ENVIRONMENT	
Ingress protection	IP68
APPROVALS	
Approvals (demo)	None
MEASUREMENT	
Response time T90	< 60 s
Cap life	24 months
PROCESS	
Max. pressure	10 bar
Sensor body	316L, POM

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.