

DULCOEYE LT Turbidity Sensor

Smart sensor technology for clear results - the new DULCOEYE LT optical turbidimeter sensor

ProMinent®



The new DULCOEYE Turbidity Sensor from ProMinent is a high-precision solution for the optical measurement of low turbidity. With state-of-the-art technology and intelligent design.

Your Benefits

- Gentle, hydrodynamic self-cleaning principle
- Available individually or as a panel
- Automatic compensation of light source ageing and light source temperature drift
- Automatic flush valve selectable for programmable remote flushing



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Technical Data

Measuring range	0...100*NTU
Measuring principle, technology	nephelometric (90° light scattering according to DIN EN ISO 7027-1)
Unit of measurement	NTU, FNU, FTU
Light source	860 nm infrared LED
Accuracy	2*% ± 0.02*NTU whichever is greater
Repeatability	<*0,5*%
Resolution	0.001*NTU
Response time sensor t_{90}	5 s
Supply voltage	240v AC
Calibration	1-point or 2-point calibration
Operating temperature	0...45°C
Storage temperature	-10...50°C
Ambient conditions	Indoor installation (no direct sunlight), maximum 90*% relative air humidity (noncondensing)
Digital output	RS-485
Housing material	316 L stainless steel
Enclosure rating	IP 65
Weight	ca. 1.000 g + Kabel
Operating pressure	1 – 3*bar
Flow	20...30*l/h
Controllers	diaLog C

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