

EXplore 131 NIR absorption sensor in compact design



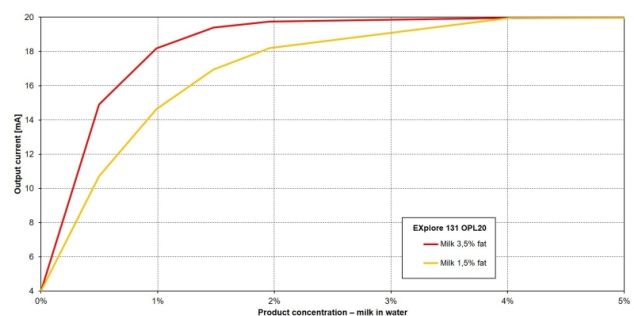
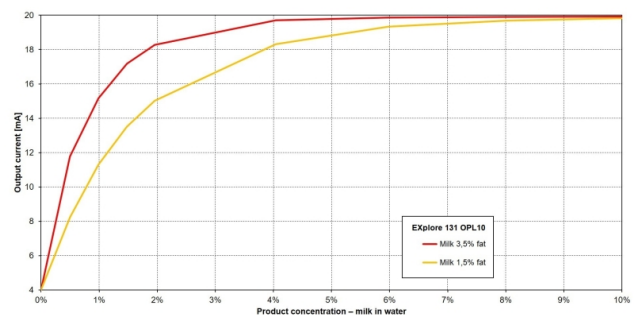
- » Compact design with integrated amplifier
- » Durable sapphire window
- » Hygienic Design, CIP/SIP-capable
- » LED light source guarantees a durable and stable signal
- » No calibration and parametrisation necessary

EXplore 131 is a compact NIR turbidity sensor for monitoring production processes in the food and beverage industries as well as in many areas of further process applications.

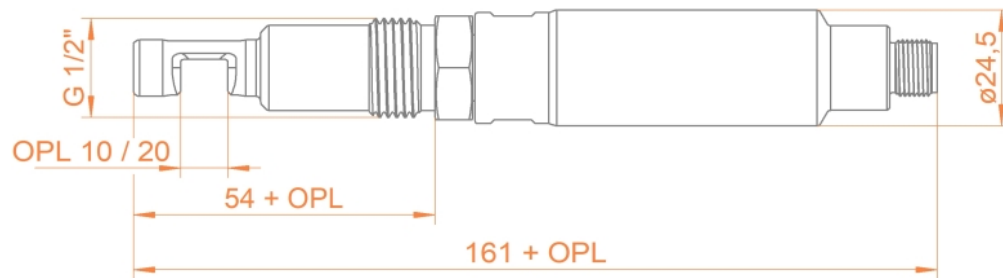
Specifications

Max. measuring range:	0-100 %
Resolution:	0,1 %
Accuracy:	± 1 % from measurement value
Reproducibility:	≤ 1 % from final value
Wavelength:	850 nm
Light source:	LED
Optical path length:	10 mm or 20 mm
Surface:	e-polished Ra <0,37 µm
Window:	Sapphire
Supply voltage:	24 V DC
Process connection:	Thread G1/2"
Process temperature:	-10...90 °C, 135 °C max. 1 hour (SIP cycle)
Process pressure:	max. 10 bar (150 psi)
Electrical connection:	M12 connector 5-pin
Interfaces:	4...20 mA
Protection class:	IP69 (incl. connection cable)

Typical Measurements



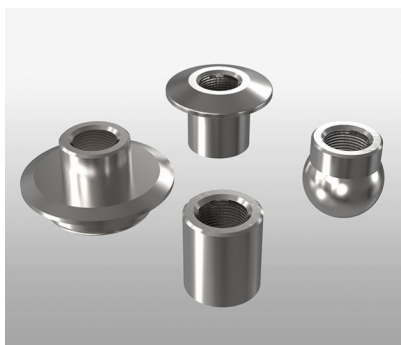
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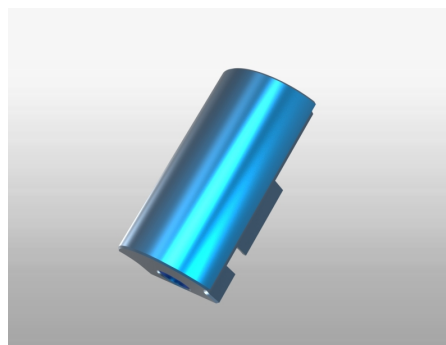
Order code

Code	Measuring range	Delivery time
A	0...100 % Absorption	3 Weeks
Code	Optical path length	Delivery time
10	10 mm	3 Weeks
20	20 mm	3 Weeks
Code	Material (wetted parts)	Delivery time
4435	Stainless steel 1.4435 / 316L	3 Weeks
Code	Sealing material (wetted sealings)	Delivery time
MET	Metal sealing (without elastomer)	3 Weeks
Code	Process connection	Delivery time
G12	Thread G1/2"	3 Weeks
Code	Interface	Delivery time
A4	Analogue 4...20 mA	3 Weeks

Accessories



Weld-in socket and process adapters



Reference filter for EXplore 131