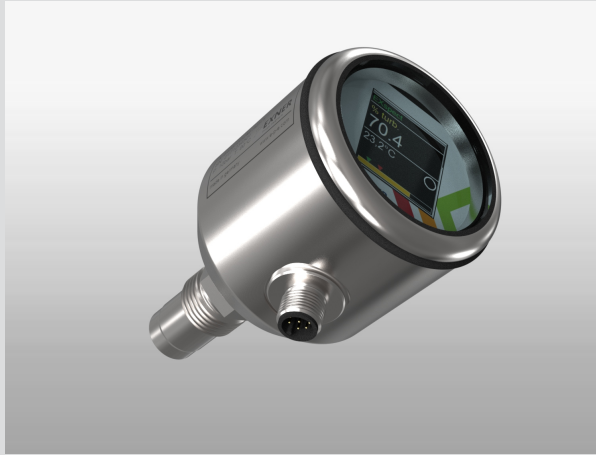


EXspect 271 NIR backscattering sensor in compact design



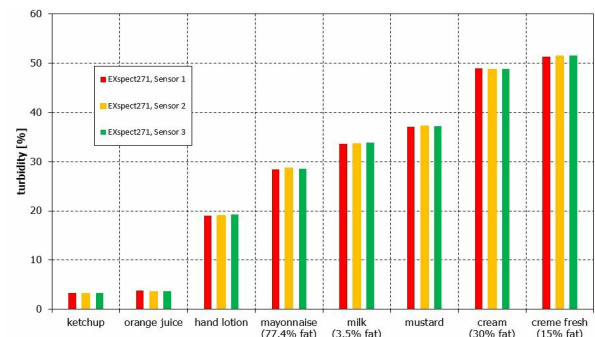
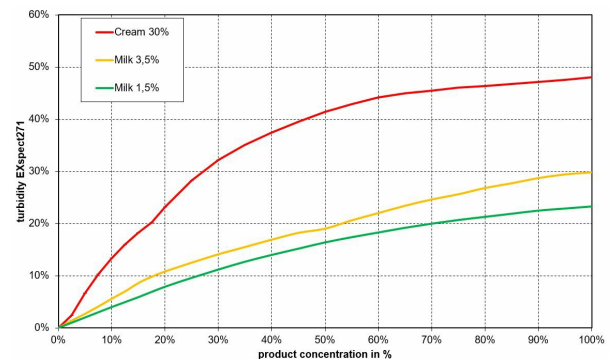
- » Compact design with integrated amplifier and touch display
- » %-turbidity or customer defined unit
- » Durable sapphire lens
- » Hygienic Design, CIP/SIP-capable
- » LED light source guarantees a durable and stable signal
- » Easy parameterization via display or software EXpert

EXspect 271 is a high precisely compact NIR turbidity sensor monitoring production processes in the food industry, e.g. in dairies, as well as in many ranges of process and chemical applications and waste water.

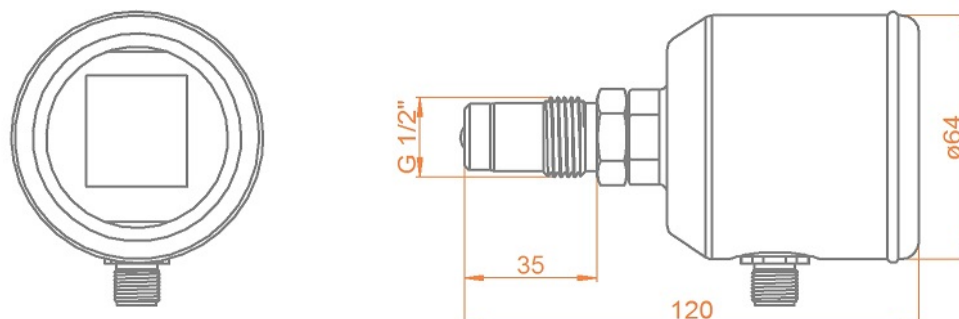
Specifications

Measuring range max.	0-100 %
Resolution	0,1 %
Accuracy	± 1,5 % from measurement value
Reproducibility	≤ 1 % from final value
Wavelength	850 nm
Light source	LED
Material	Stainless steel 1.4435 (316L)
Surface	e-polished Ra <0,37 µm
Lens	Sapphire
Supply voltage	24 V DC
Contact	NO or NC configurable
Input contact	150 mA
Process connection	zeroing
Process temperature	Thread G1/2"
Process pressure	0 ... 90 °C, 141 °C max.
Electrical connection	2 hours (SIP cycle)
Cable length	max. 16 bar (235 psi)
Interfaces	M12 connector 5-pin or 8-pin (digital parameterizable)
Parameterization	2 m / 5 m
Protection class	4 ... 20 mA with add. switching contact
	Software EXpert
	IP69

Typical Measurements



EXspect 271 NIR backscattering sensor in compact design



Ordercode

Code	Measuring range	Delivery
A	0...100% turbidity	3 weeks

Code	Material (wetted parts)	Delivery
4435	Stainless steel 1.4435 / 316L	3 weeks

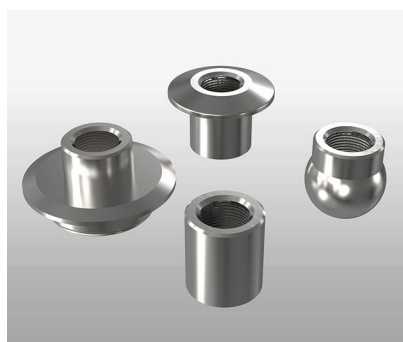
Code	Sealing material (wetted sealings)	Delivery
MET	Metal sealing (without elastomer)	3 weeks

Code	Process connection	Delivery
G12	Thread G1/2"	3 weeks

Code	Interface	Delivery
AS	Analogue 4...20 mA / M12 5 pin	3 weeks
AD	Analogue 4...20 mA / digitally parameterizable / M12 8 pin	3 weeks

Code	Display	Delivery
1	With integrated display	3 weeks

Accessories



Weld-in socket and process adapter



EXcap 120 - Set of reference normals for in-field verification of measurements and calibration