

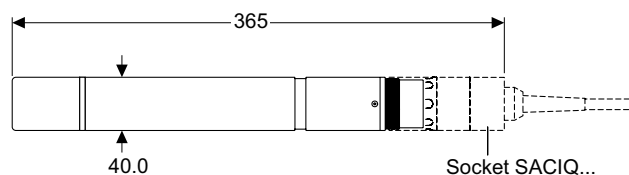
Digital turbidity sensors VisoTurb®



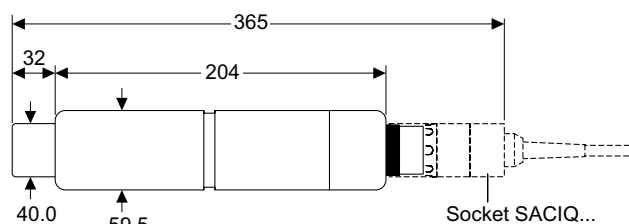
Optical turbidity sensors with nephelometric principle according to EN ISO 7027 for the in-situ use in water/ wastewater incl. ultrasonic cleaning system

We would like to inform you about the application range on our website

VisoTurb® 700 IQ



VisoTurb® 700 IQ SW



Technical Data

Model	VisoTurb® 700 IQ	VisoTurb® 700 IQ SW*
Measuring method	Nephelometric principle in compliance with EN ISO 7027	
Measuring range	FNU; NTU; TEF 0 ... 4000 FNU mg/l SiO₂; ppm SiO₂ 0.1 ... 4000 mg/l SiO ₂ g/l TS 0.0001 ... 400 g/l TS	
Resolution	FNU; NTU; TEF Automatic according to measuring range 0.001 ... 1 FNU mg/l SiO₂; ppm SiO₂ 0.001 mg/l ... 0.01 g/l g/l TS 0.001 mg/l ... 1 g/l	
Accuracy	<i>Depends on application</i> Process variation coefficient according to DIN 38402 part 51 <1 % (in the range up to 2000 FNU) Repeatability according to DIN ISO 5725 or DIN 1319 < 0.015 % or ≥ 0.006 FNU	
Calibration	FNU; NTU; TEF Factory calibration with formazine mg/l SiO₂; ppm SiO₂ Factory calibration with SiO ₂ g/l TS Calibration by user, (TSS regulations in compliance with DIN 38414)	
Cleaning System	Ultrasonic cleaning system	
SensCheck	Contamination detection of optical window; failure of cleaning system	
Pressure Resistance	10 bar (incl. sensor connection cable)	Maximum 2 bar
Ambient Conditions	Operating temperature: 32 ... 140 °F (0 ... 60 °C); ultrasonic cleaning system: 32 ... 104 °F (0 ... 40 °C) (overheating protection); Storage temperature: 23 ... 149 °F (-5 ... +65 °C)	
Electrical connections	2-wire shield cable with quick fastener to sensor	
Electromagnetic Compatibility	EN 61326, Class B, FCC Class A; Intended for indispensable operation	
Certifications	CE	CE
Mechanical	Measuring window: Sapphire; Sensor body: V4A stainless steel 1.4571; Protection rating: IP 68	Measuring window: Sapphire; Sensor body: Titanium, POM; Protection rating: IP 68
Weight (without cable)	Approx. 2.18 lb (900 g)	3.13 lb (1420 g)
Warranty	2 years for defects in quality	

* SW: Sensor as sea water model (with plastic arming (POM))

Model	Description	Order No.
VisoTurb® 700 IQ	Digital turbidity sensor with integrated ultrasonic cleaning (please order cable separately)	600010
VisoTurb® 700 IQ SW	Like VisoTurb® 700 IQ, but as a sea water model	600011