Digital turbidity sensors VisoTurb®



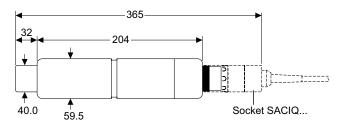
Optical turbidity sensors with nephelometric principle according to EN ISO 7027 for the in-situ use in water/ wastewater incl. ultrasonic cleaning system

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		
	0 4000 FNU 0.1 4000 mg/l SiO ₂ 0.0001 400 g/l TS		
mg/l SiO ₂ ; ppm SiO ₂	Automatic according to measuring range 0.001 1 FNU 0.001 mg/l 0.01 g/l 0.001 mg/l 1 g/l		
Accuracy	Depends on application 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		
mg/l SiO ₂ ; ppm SiO ₂	Factory calibration with formazine Factory calibration with SiO ₂ Calibration by user, (TSS regulations in compliance with DIN	l 38414)	
Cleaning System	Ultrasound 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 mod	lel (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

