



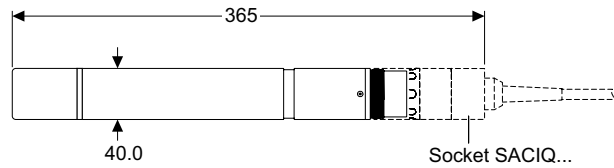
# Digital turbidity sensors VisoTurb®

Optical turbidity sensors with nephelometric principle according to DIN EN 27027 and ISO 7027 for the in-situ use in water/wastewater incl. ultrasonic cleaning system

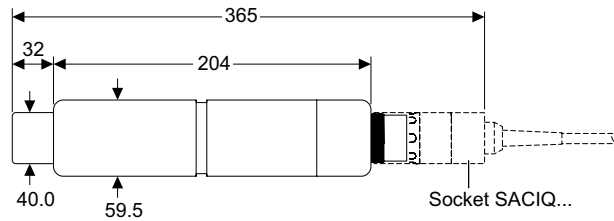
We would like to inform you about the application range on our website



VisoTurb® 700 IQ



VisoTurb® 700 IQ SW



## Technical Data

Model	VisoTurb® 700 IQ	VisoTurb® 700 IQ SW*
<b>Measuring method</b>	Nephelometric principle in compliance with EN 27027 and ISO 7027	
<b>Measuring range</b>	<b>FNU; NTU; TEF</b> 0.05 ... 4000 FNU <b>mg/l SiO<sub>2</sub>; ppm SiO<sub>2</sub></b> 0.1 ... 4000 mg/l SiO <sub>2</sub> <b>g/l TS</b> 0.0001 ... 400 g/l TS	
<b>Resolution</b>	<b>FNU; NTU; TEF</b> Automatic according to measuring range 0.001 ... 1 FNU <b>mg/l SiO<sub>2</sub>; ppm SiO<sub>2</sub></b> 0,001 mg/l ... 0,01 g/l <b>g/l TS</b> 0,001 mg/l ... 1 g/l	
<b>Accuracy</b>	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	
<b>Calibration</b>	<b>FNU; NTU; TEF</b> Factory calibration with formazine <b>mg/l SiO<sub>2</sub>; ppm SiO<sub>2</sub></b> Factory calibration with SiO <sub>2</sub> <b>g/l TS</b> Calibration by user, (TSS regulations in compliance with DIN 38414)	
<b>Cleaning System</b>	Ultrasonic cleaning system	
<b>SensCheck</b>	Contamination detection of optical window; failure of cleaning system	
<b>Pressure Resistance</b>	10 bar (incl. sensor connection cable)	Maximum 2 bar
<b>Ambient Conditions</b>	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)	
<b>Electrical connections</b>	2-wire shield cable with quick fastener to sensor	
<b>Electromagnetic Compatibility</b>	EN 61326, Class B, FCC Class A; Intended for indispensable operation	
<b>Certifications</b>	CE	CE
<b>Mechanical</b>	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
<b>Weight (without cable)</b>	Approx. 2.18 lb (900 g)	3.13 lb (1420 g)
<b>Warranty</b>	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



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