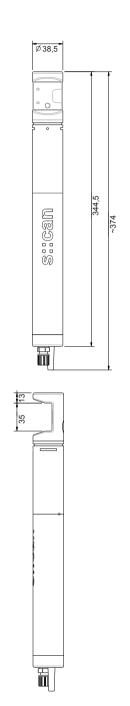


i::SCan_turbidity

i::scan_turbidity monitors turbidity

The i::scan will revolutionize water quality monitoring - from very cost sensitive applications down to highly resolved "Smart Water Grids", the smallest unmanned plants, or even in single building protection: The new i::scan combines the high performance of a multi wavelength spectrophotometer with lower costs than of simple photometers!

- · measurement according to EPA 180.1 and ISO 7027
- · s::can plug & measure
- · new light emitting technology
- · combined 180° and 90° scattering
- · no consumables
- · no moving parts
- · low power consumption (less than 1 W typical)
- · dual-beam compensated optics
- optional automatic cleaning (compressed air in situ or autobrush in flow cell)
- · multiple versions for multiple applications
- · long term stable, 100 % corrosion free
- · plug connection or fixed cable
- · 5000 hours maintenance free operation
- mounting and measurement directly in the media (in situ) or in a flow cell (monitoring station)
- · can be mounted directly in a mains pipe / pressure pipe
- · operation via s::can terminals & s::can software





recommended accessories		
part number	article name	
F-46-four	flow cell for i::scan and three s::can physical probes	



measuring principle	according to EPA 180.1 and	housing material	PEEK, POM-C
	ISO 7027	weight (min.)	approx. 440 g
resolution	0.001 NTU/FTU	dimensions (diameter x length)	38.5 x 345 mm
automatic compensation instrument	dual-beam and 180° path	operating temperature	0 45 °C
precalibrated ex-works	all parameters	storage temperature	-20 60 °C
accuracy	submersed: 0.05 NTU/FTU or 3 %	operating pressure	-0.2 6 bar
	in flow cell: 0.02 NTU/FTU or 3 %	installation / mounting	submersed or in a flow cell
reference standard	distilled water		can be mounted directly in a mains
onboard memory	8 MB		pipe / pressure pipe
integration via	con::cube	flowrate	3 m/s (max.)
	con::lyte 1	automatic cleaning	media: compressed air
	con::lyte 2		permissible pressure: 4 6 bar
	con::lyte 4		cleaning interval: depending on
	con::nect		application
power supply	10 V - 18 V	cleaning pressure	6 bar
power consumption (typical)	0.72 W	conformity - EMC	EN 61326
power consumption (max.)	1.56 W	conformity - safety	EN 61010
interface connection to s::can	sys plug, IP68, RS485, 12 VDC	protection class (-000)	IP67
terminals		protection class (-075)	IP68
cable length	7.5 m fixed cable (-075) or plug connection (-000)	·	

surface water					
		typical concentration ranges for this application			
		turbidity [NTU/FTU]	part number		
i::scan_turbidity	min.	0	Y1-1-035-p-000 / -075		
	max.	800			

drinking water					
		typical concentration ranges for this application			
		turbidity [NTU/FTU]	part number		
i::scan_turbidity	min.	0	Y1-1-035-p-000 / -075		
	max.	800			