

i::scan

i::scan_TSS+color monitors TSS and color

i::scan_TSS+UV254 monitors TSS and UV254

i::scan_TSS+UV254+Color monitors TSS, UV254 and color

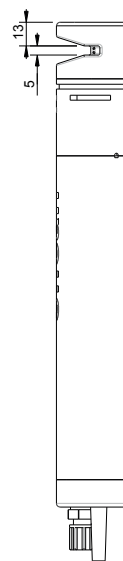
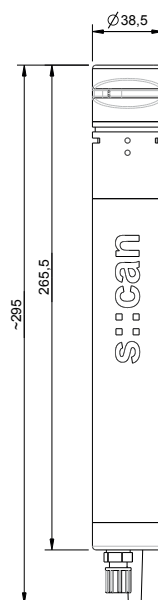
i::scan_TSS+COD_eq monitors TSS and COD

i::scan_TSS+COD_eq+Color monitors TSS, COD and color

- s::can plug & measure
- new light emitting technology
- no consumables
- no moving parts
- low power consumption (less than 1 W typical)
- dual-beam compensated optics
- optional automatic cleaning (compressed air InSitu)
- multiple versions for multiple applications
- long term stable, 100 % corrosion free
- 5000 hours maintenance free operation
- mounting and measurement directly in the media (InSitu)
- can be mounted directly in a mains pipe / pressure pipe
- operation via s::can terminals & s::can software

recommended accessories

part number	article name
B-32-xxx	s::can compressor
D-315-xxx	con::cube
D-319-xxx	con::lyte
F-13-iscan	Carrier i::scan, for easy horizontal attachment
F-14-iscan	Carrier i::scan, for easy vertical attachment
F-48-iscan	flow cell for i::scan (waste water), PVC
F-48-process	process connection 1", PVC
S-11-xx-moni	moni::tool Software



technical specification			
measuring principle	absorption	power consumption (max.)	200 mA @ 12V
resolution	COD: 0.035 mg/l color: 0.07 Hazen UV254: 0.105 Abs/m	interface to s::can terminals	RS485, MODBUS
accuracy	COD: 5 mg /l or +/- 2.5 %* color: 7 Hazen or +/- 2.5 %* UV254: 1 Abs/m or +/- 2.5 %* (*whichever is greater)	cable length	7.5 m fixed cable (-075)
precalibrated ex-works	all parameters	housing material	PEEK, POM-C
reference standard	distilled water	weight (min.)	approx. 330 g
onboard memory	512 MB	dimensions (diameter x length)	38.5 x 295 mm
integrated temperature sensor	-20 ... 70 °C	operating temperature	0 ... 45 °C
resolution temperature sensor	0.06 °C	storage temperature	-20 ... 60 °C
integration via	con::cube con::lyte 1 con::lyte 2 con::lyte pro con::nect	operating pressure	0 ... 6 bar
power supply	10 ... 18 VDC	installation / mounting	submersed
power consumption (typical)	20 mA @ 12V	flow velocity	3 m/s (max.)
		automatic cleaning	media: compressed air cleaning interval: depending on application permissible pressure: 4 ... 6 bar
		cleaning pressure	6 bar
		conformity - EMC	EN 61326-1 EN 61326-2-3
		protection class (-075)	IP68

municipal WWTP effluent						
		typical concentration ranges for this application				part number
		TSS [mg/l]	COD [mg/l]	UV254 [Abs/m]	color hazen-f (Pt/Co) [Hazen]	
i::scan_TSS+COD_eq	min.	0	0			Y11-3-e-075
	max.	1000	450			
i::scan_TSS+COD_eq+Color	min.	0	0		0	Y12-3-e-075
	max.	1000	450		350	
i::scan_TSS+Color	min.	0			0	Y08-1-e-075
	max.	1000			350	
i::scan_TSS+UV254	min.	0		0		Y09-2-e-075
	max.	1000		420		
i::scan_TSS+UV254+Color	min.	0		0	0	Y10-2-e-075
	max.	1000		420	350	