



i::scan for wastewater

i::scan monitors depending on the application an individual selection

of: TSS, COD, COD f, UV254, UV254 f, color, UVT10, UVT10 f and temperature

- s::can plug & measure
- no consumables, no moving parts
- low power consumption (less than 1 W typical)
- dual-beam compensated optics
- optional automatic cleaning compressed air (InSitu, only for version -075 with fixed cable) or autobrush
- non aging optics and long term stable
- fixed cable
- 5000 hours maintenance free operation
- mounting and measurement directly in the media (InSitu) or in a flow cell (monitoring station)
- operation via s::can terminals & s::can software

recommended accessories

part number	article name
D-330-xxx	con::cube V3
D -320 -x x x	c o n::ly te
B-32-xxx	s::can compressor
F-110-iscan	carrier i::scan, for easy horizontal attachment
F-120-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	spectrometry	interface to s::can terminals	RS485, MODBUS
resolution	COD: 0.035 mg/l color: 0.07 Hazen UV254: 0.105 Abs/m	cable length	7.5 m fixed cable (-075)
accuracy (standard solution)	COD: 5 mg/l or +/- 2.5 %* color: 7 Hazen or +/- 2.5 %* UV254: 1 Abs/m or +/- 2.5 %* (*whichever is greater)	housing material	stainless steel, PET
precalibrated ex-works	all parameters	weight (min.)	approx. 1300 g (with cable)
reference standard	distilled water	dimensions (Ø x l)	38.5 x 295 mm
onboard memory	512 MB	operating temperature	0 ... 45 °C
integrated temperature sensor	-20 ... 70 °C	operating pressure	0 ... 8 bar
resolution temperature sensor	0.06 °C	installation / mounting	submersed
integration via	con::cube con::lyte con::nect	flow velocity	3 m/s (max.)
power supply	10 ... 18 VDC	automatic cleaning	with autobrush or compressed air (only possible for version (-075) with fixed cable) permissible pressure: 3 ... 6 bar
power consumption (typical)	20 mA @ 12V	storage temperature	-20 ... 60 °C
power consumption (max.)	200 mA @ 12V	conformity - EMC	EN 61326-1 EN 61326-2-3
		protection class (-075)	IP68

WWTP influent

		parameter							part number
		TSS [mg/l]	color (app) [Hazen]	color (tru) [Hazen]	COD [mg/l]	COD f [mg/l]	UV254 [Abs/m]	UV254 f [Abs/m]	
i::scan_TSS+COD	min.	0	0	0	0	0	0	0	Y12S-3-I-075
e q+ C olo r+U V25 4	max.	1000	3500	3500	1500	500	500	500	
i::scan_TSS+COD_	min.	0			0	0	0	0	Y11S-3-I-075
eq+UV254	max.	1000			1500	500	500	500	
i::scan_TSS+Color	min.	0	0	0					Y08S-1-I-075
i::s c a n _T S S +U V25 4	max.	1000	3500	3500					
	min.	0					0	0	Y09S-2-I-075
i::scan_	max.	1000					500	500	
TSS+UV254+Color	min.	0	0	0			0	0	Y10S-2-I-075
	max.	1000	3500	3500			500	500	

WWTP effluent

		parameter							part number
		TSS [mg/l]	color (app) [Hazen]	color (tru) [Hazen]	COD [mg/l]	COD f [mg/l]	UV254 [Abs/m]	UV254 f [Abs/m]	
i::scan_TSS+COD	min.	0	0	0	0	0	0	0	Y12S-3-E-075
e q+ C olo r+U V25 4	max.	500	3500	3500	500	300	500	500	
i::scan_TSS+COD_	min.	0			0	0	0	0	Y11S-3-E-075
eq+UV254	max.	500			500	300	500	500	
i::scan_TSS+Color	min.	0	0	0					Y08S-1-E-075
i::s c a n _T S S +U V25 4	max.	500	3500	3500					
	min.	0					0	0	Y09S-2-E-075
i::scan_	max.	500					500	500	
TSS+UV254+Color	min.	0	0	0			0	0	Y10S-2-E-075
	max.	500	3500	3500			500	500	



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