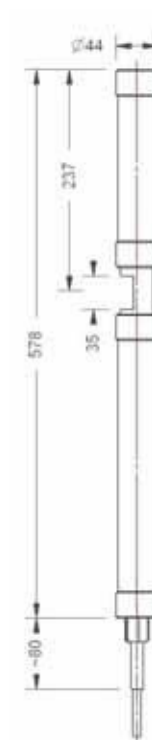


carbo::lyser™ II / III

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- carbo::lyser™ II monitors TSS & UV254 or TSS & COD or TSS & BOD or Turbidity & TOC or Turbidity & DOC
- carbo::lyser™ III monitors TSS & UV254 & UV254t or TSS & COD & BOD or Turbidity & TOC & DOC or TSS & COD & CODf
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- mounting and measurement directly in the media (InSitu) or in a flow cell (monitoring station)
- operation via s::can terminals & s::can software
- automatic compensation of cross sensitivities
- ideal for surface water, ground water, drinking water and waste water

recommended accessories

part number	article name
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco	system panel BASIC
F-50-1-pro	
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	aluminium alloy ISO 3.2315, or stainless steel 1.4571
automatic compensation cross sensitivities	turbidity / solids	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

surface water

		typical concentration ranges for this application					
		turbidity [FTU]	TOC [mg/l]	DOC [mg/l]	UV254 [Abs/m]	UV254t [Abs/m]	part number
carbo::lyser™ II (turbidity, DOC)	min.	0		0			G-C2-r005-485-p0t0-aNO
	max.	1400		75			
carbo::lyser™ II (turbidity, TOC)	min.	0	0				G-C2-r005-485-p0t0-aNO
	max.	1400	150				
carbo::lyser™ II (turbidity, UV254)	min.	0			0		G-C2-r005-485-p0t0-aNO
	max.	1400			300		
carbo::lyser™ II (turbidity, UV254t)	min.	0				0	G-C2-r005-485-p0t0-aNO
	max.	1400				500	
carbo::lyser™ III (turbidity, TOC, DOC)	min.	0	0	0			G-C3-r005-485-p0t0-aNO
	max.	1400	150	75			
carbo::lyser™ III (turbidity, UV254, UV254t)	min.	0			0	0	G-C3-r005-485-p0t0-aNO
	max.	1400			300	500	

drinking water

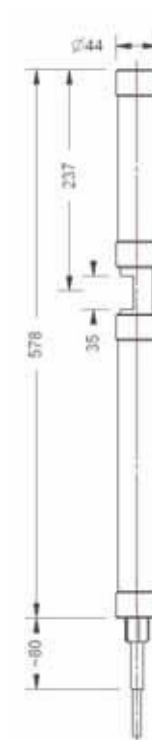
		typical concentration ranges for this application					
		turbidity [FTU]	TOC [mg/l]	DOC [mg/l]	UV254 [Abs/m]	UV254t [Abs/m]	part number
carbo::lyser™ II (turbidity, DOC)	min.	0		0			G-C2-d035-485-p0t0-aNO
	max.	200		10			
carbo::lyser™ II (turbidity, TOC)	min.	0	0				G-C2-d035-485-p0t0-aNO
	max.	200	20				
carbo::lyser™ II (turbidity, UV254)	min.	0			0		G-C2-d035-485-p0t0-aNO
	max.	200			40		
carbo::lyser™ II (turbidity, UV254t)	min.	0				0	G-C2-d035-485-p0t0-aNO
	max.	200				70	
carbo::lyser™ III (turbidity, TOC, DOC)	min.	0	0	0			G-C3-d035-485-p0t0-aNO
	max.	200	20	10			
carbo::lyser™ III (turbidity, UV254, UV254t)	min.	0			0	0	G-C3-d035-485-p0t0-aNO
	max.	200			40	70	

color::lyser II

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- ideal for drinking water
- color::lyser II monitors turbidity & color (hazen standard)
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- 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
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco	system panel BASIC
F-50-1-pro	
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	aluminium alloy ISO 3.2315, or stainless steel 1.4571
automatic compensation cross sensitivities	turbidity / solids	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

surface water

		typical concentration ranges for this application			
		turbidity [FTU]	color hazen-t [Hazen]	color hazen-f [Hazen]	part number
color::lyser II (turbidity, hazen-f)	min.	0	0		G-T2-r005-485-p0t0-aNO
	max.	1400	500		
color::lyser II (turbidity, hazen-t)	min.	0		0	G-T2-r005-485-p0t0-aNO
	max.	1400		350	

drinking water

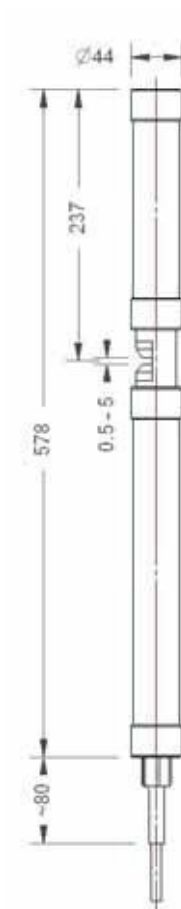
		typical concentration ranges for this application			
		turbidity [FTU]	color hazen-t [Hazen]	color hazen-f [Hazen]	part number
color::lyser II (turbidity, hazen-f)	min.	0		0	G-T2-d035-485-p0t0-aNO
	max.	200		70	
color::lyser II (turbidity, hazen-t)	min.	0	0	0	G-T2-d035-485-p0t0-aNO
	max.	200	100	0	

multi::lyser™ II / III

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- ideal for surface water, ground water, drinking water and waste water
- multi::lyser™ II monitors NO₃-N & one organic parameter (COD, BOD, TOC, DOC or UV254)
- multi::lyser™ III monitors turbidity / TSS & NO₃-N & one organic parameter (COD, BOD, TOC, DOC or UV254)
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- 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
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco F-50-1-pro	system panel BASIC
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	aluminium alloy ISO 3.2315, or stainless steel 1.4571
automatic compensation cross sensitivities	turbidity / solids / organic substances	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

surface water

		typical concentration ranges for this application						
		turbidity [FTU]	NO ₃ -N [mg/l]	TOC [mg/l]	DOC [mg/l]	UV254 [Abs/m]	UV254t [Abs/m]	part number
multi::lyser™ II (NO ₃ , DOC)	min.	0	0		0			G-M2-r005-485-p0t0-aNO
	max.	1400	70		75			
multi::lyser™ II (NO ₃ , TOC)	min.	0	0	0				G-M2-r005-485-p0t0-aNO
	max.	1400	70	150				
multi::lyser™ II (NO ₃ , UV254)	min.	0	0			0		G-M2-r005-485-p0t0-aNO
	max.	1400	70			300		
multi::lyser™ II (NO ₃ , UV254t)	min.	0	0				0	G-M2-r005-485-p0t0-aNO
	max.	1400	70				500	
multi::lyser™ III (turbidity, NO ₃ , DOC)	min.	0	0		0			G-M3-r005-485-p0t0-aNO
	max.	1400	70		75			
multi::lyser™ III (turbidity, NO ₃ , TOC)	min.	0	0	0				G-M3-r005-485-p0t0-aNO
	max.	1400	70	150				
multi::lyser™ III (turbidity, NO ₃ , UV254)	min.	0	0			0		G-M3-r005-485-p0t0-aNO
	max.	1400	70			300		
multi::lyser™ III (turbidity, NO ₃ , UV254t)	min.	0	0				0	G-M3-r005-485-p0t0-aNO
	max.	1400	70				500	

drinking water

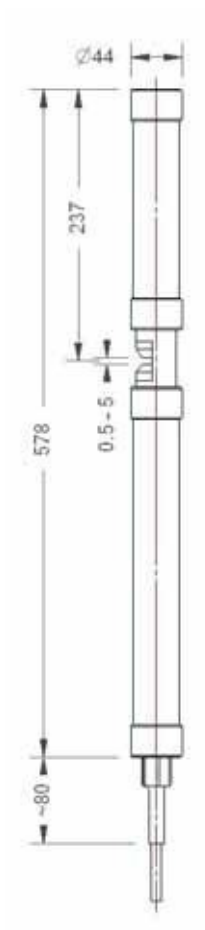
		typical concentration ranges for this application						
		turbidity [FTU]	NO ₃ -N [mg/l]	TOC [mg/l]	DOC [mg/l]	UV254 [Abs/m]	UV254t [Abs/m]	part number
multi::lyser™ II (NO ₃ , DOC)	min.	0	0		0			G-M2-d035-485-p0t0-aNO
	max.	200	10		10			
multi::lyser™ II (NO ₃ , TOC)	min.	0	0	0				G-M2-d035-485-p0t0-aNO
	max.	200	10	20				
multi::lyser™ II (NO ₃ , UV254)	min.	0	0			0		G-M2-d035-485-p0t0-aNO
	max.	200	10			40		
multi::lyser™ II (NO ₃ , UV254t)	min.	0	0				0	G-M2-d035-485-p0t0-aNO
	max.	200	10				70	
multi::lyser™ III (turbidity, NO ₃ , DOC)	min.	0	0		0			G-M3-d035-485-p0t0-aNO
	max.	200	10		10			
multi::lyser™ III (turbidity, NO ₃ , TOC)	min.	0	0	0				G-M3-d035-485-p0t0-aNO
	max.	200	10	20				
multi::lyser™ III (turbidity, NO ₃ , UV254)	min.	0	0			0		G-M3-d035-485-p0t0-aNO
	max.	200	10			40		
multi::lyser™ III (turbidity, NO ₃ , UV254t)	min.	0	0				0	G-M3-d035-485-p0t0-aNO
	max.	200	10				70	

nitro::lyser™ II

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- ideal for surface water, ground water, drinking water and waste water
- nitro::lyser™ II monitors TSS & NO₃-N or turbidity & NO₃-N
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- 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
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco	system panel BASIC
F-50-1-pro	
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	aluminium alloy ISO 3.2315, or stainless steel 1.4571
automatic compensation cross sensitivities	turbidity / solids / organic substances	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

surface water

		typical concentration ranges for this application		
		turbidity [FTU]	NO ₃ -N [mg/l]	part number
nitro::lyser™ II (turbidity, NO ₃)	min.	0	0	G-N2-r005-485-p0t0-aNO
	max.	1400	70	

drinking water

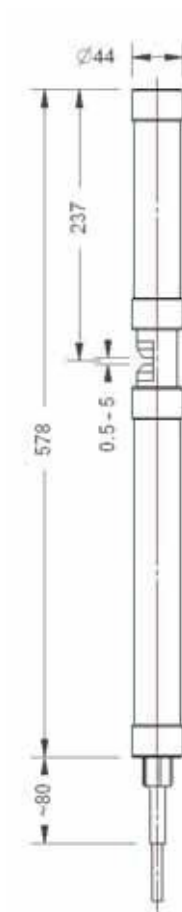
		typical concentration ranges for this application		
		turbidity [FTU]	NO ₃ -N [mg/l]	part number
nitro::lyser™ II (turbidity, NO ₃)	min.	0	0	G-N2-d035-485-p0t0-aNO
	max.	200	10	

ozo::lyser II

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- ideal for drinking water
- ozo::lyser II monitors turbidity & ozone
- long term stable and maintenance free in operation
- factory precalibrated
- 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
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco	system panel BASIC
F-50-1-pro	
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	stainless steel
automatic compensation cross sensitivities	turbidity / solids / organic substances	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

drinking water

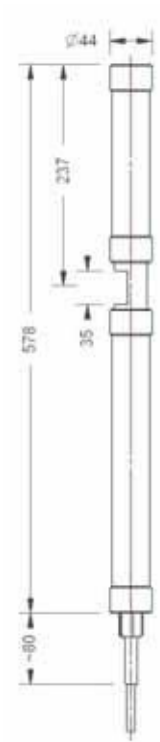
		typical concentration ranges for this application		part number
		turbidity [FTU]	O ₃ [mg/l]	
ozo::lyser II (turbidity, O ₃)	min.	0	0	G-02-d100-485-p0t0-sNO
	max.	50	10	

uv::lyser II

- s::can plug & measure
- measuring principle: UV-Vis spectrometry
- multiparameter probe
- ideal for surface water, ground water, drinking water and waste water
- uv::lyser II monitors turbidity & UV254 or TSS & UV254
- long term stable and maintenance free in operation
- factory precalibrated
- automatic cleaning with compressed air
- 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
F-11-spectro	carrier s::can™ spectrometer probe
F-443-1	complete flow cell - for pathlengths from 0.5 mm to 35 mm
F-446-2	flow cell autobrush - for spectro::lyser™ pathlength 100 mm
F-50-1-eco	system panel BASIC
F-50-1-pro	
F-61	pontoon
B-60-1	cleaning brush for pathlength < 5 mm
B-61-1	cleaning agent
C-210-spectro	10 m extension cable for s::can™ spectrometer probes
E-411	cell holder insert
E-431-a	insert for shortening pathlength - anodised aluminium alloy
B-44	cleaning valve
B-32-230	s::can compressor
B-32-110	
B-32-012	



technical specification

measuring principle	UV-Vis spectrometry 220 - 720 nm	cable length	7.5 m
measuring principle detail	xenon flash lamp, 256 photo diodes	cable type	PU jacket
automatic compensation instrument	two beam measurement, complete spectrum	housing material	aluminium alloy ISO 3.2315, or stainless steel 1.4571
automatic compensation cross sensitivities	turbidity / solids	weight (min.)	2.1 kg
precalibrated ex-works	all parameters	dimensions (diameter x length)	44mm x 578mm / 647mm
accuracy standard solution (>1 mg/l)	NO ₃ -N: +/- 3% +1/OPL[mg/l]* COD-KHP: +/-3% +10/OPL[mg/l]* (* OPL ... optical pathlength in mm)	operating temperature	0 ... 45 °C
access to raw signals	no	storage temperature	-10 ... 50 °C
reference standard	distilled water	operating pressure	0 ... 3 bar
onboard memory	656 KB	high pressure specification	10 bar
integrated temperature sensor	-10 ... 50 °C	installation / mounting	submersed or in a flow cell
resolution temperature sensor	0.1 °C	flowrate	3 m/s (max.)
integrated pressure sensor (optional)	0 ... 10 bar	mechanical stability	30 Nm
resolution pressure sensor	2.5 mbar	protection class	IP 68
integration via	con::lyte 2 con::lyte 4 con::nect con::stat	automatic cleaning	media: compressed air permissible pressure: 3 ... 6 bar air volume: 7 ... 20 liters per cleaning cleaning duration: 3 ... 15 seconds per cleaning cleaning interval: every 1st to 10th measuring interval, depending on application delay: 10 ... 30 seconds
power supply	11 ... 15 VDC	conformity - EMC	EN 61326:97/A1:98/A2:01
power consumption (typical)	4.2 W	conformity - safety	EN 61010-1:2002
power consumption (max.)	20 W	extended spare part warranty (optional)	3 years
interface connection to s::can terminals	MIL connector, IP 68, RS485, 12 VDC		
interface to third party terminals	con::nect incl. gateway modbusRTU		

surface water

		typical concentration ranges for this application			
		turbidity [FTU]	UV254 [Abs/m]	UV254t [Abs/m]	part number
uv::lyser II (turbidity, UV254)	min.	0	0		G-U2-r005-485-p0t0-aNO
	max.	1400	300		
uv::lyser II (turbidity, UV254t)	min.	0		0	G-U2-r005-485-p0t0-aNO
	max.	1400		500	

drinking water

		typical concentration ranges for this application			
		turbidity [FTU]	UV254 [Abs/m]	UV254t [Abs/m]	part number
uv::lyser II (turbidity, UV254)	min.	0	0		G-U2-d035-485-p0t0-aNO
	max.	200	40		
uv::lyser II (turbidity, UV254t)	min.	0		0	G-U2-d035-485-p0t0-aNO
	max.	200		70	