

**Product List G::Series,
October to December 2005**

G							Basis Instrument "G::Series"
							UV-Vis (220 - 720 nm); 2-beam autocomp.; Xenon flashlamp; 7,5 m fixed feed through cable; automatic cleaning included; concentration calculation, communication via RS485; datalogger on board (ana::pro required); multifunctional slide included; no access to spectra!
Specify Type							
	N2						nitro::lyser™ Nitrate monitor - based on global spectral model specific to application; includes Turbidity / Solids monitor; all to be calibrated in situ.
	C2						carbo::lyser II™ UV monitor according to DIN 38404 - can be calibrated to COD or CODf or SAC254t or SAC254 or TOC or DOC (depending on application several spectral algorithms on board); includes Turbidity / Solids monitor; all to be calibrated in situ.
	C3						carbo::lyser III™ UV monitor according to DIN 38404 - can be calibrated to COD and CODf or SAC254t and SAC254 or TOC and DOC (depending on application several spectral algorithms on board); includes Turbidity / Solids monitor; all to be calibrated in situ.
	M2						multi::lyser II™ UV monitor combined with Nitrate monitor - based on global spectral model for both parameters; all to be calibrated in situ.
	M3						multi::lyser III™ UV monitor combined with Nitrate monitor - based on global spectral model for both parameters; includes Turbidity / Solids monitor; all to be calibrated in situ.
Specify Application							
					a		municipal waste water aeration basin
					d		drinking water
					e		municipal waste water effluent
					i		municipal waste water influent / sewer
					r		river water
Specify Pathlength							
			001				1 mm (recommended for nitro::lyser: application waste water aeration)
			002				2 mm (recommended for nitro::lyser: application waste water influent / sewer)
			005				5 mm (recommended for carbo::lyser: applications ww influent / sewer, ww effluent & river water; recommended for nitro::lyser: application ww effluent & river water)
			035				35 mm (recommended for application drinking water)
Specify Other Features							
			485				RS485
				p0			no integrated pressure sensor
				p1			integrated pressure gauge 0,1 bar; atmospheric pressure not compensated
				p2			integrated pressure gauge 1 bar; atmospheric pressure not compensated
				p3			integrated pressure gauge 10 bar; atmospheric pressure not compensated; individual specification up to 10 bar pressure required!
				t0			no integrated temperature sensor
				t1			integrated medium temperature gauge, 0 - 50°C; +/- 0,3 °C
					a		anodised aluminium alloy for use in standard applications & for 100 mm of pathlength; mass < 1,1 kg!
					b		aluminium bronze alloy for use in aggressive (industrial) media (to be specified); not available for 100 mm of pathlength; mass < 2,25 kg;
					s		surcharge stainless steel for use in aggressive (industrial) media (to be specified); not available for 100 mm of pathlength; mass < 2,35 kg; 6 weeks delivery time; surcharge
					10		individual specification up to 10 bar pressure; consultation of s::can required (regarding additional infrastructure)! Surcharge; 8 weeks delivery time
					NO		no specific certification



**Product List spectro::lyser™,
October to December 2005**

Basis Instrument "spectro::lyser"										
A										spectro::lyser™ 2-beam autocomp.; Xenon flashlamp; includes spectrometer module for measurement of time resolved wavelengths and spectra; 7,5 m fixed feed through cable; datalogger on board (ana::pro required); multifunctional slide included; connector and cable options; see list infrastructure
Specify Detector										
	1									detector UV-Vis 220 - 720 nm
	2									detector UV 220 - 390 nm
Specify Pathlength										
		001								1 mm
		002								2 mm
		005								5 mm
		035								35 mm
		100								100 mm
		500								0,5 mm (500 µm)
Specify Other Features										
		232								RS232
		485								RS485
				p0						no integrated pressure sensor
				p1						integrated pressure gauge 0,1 bar; atmospheric pressure not compensated
				p2						integrated pressure gauge 1 bar; atmospheric pressure not compensated
				p3						integrated pressure gauge 10 bar; atmospheric pressure not compensated individual specification up to 10 bar pressure required!
				t0						no integrated temperature sensor
				t1						integrated medium temperature gauge, 0 - 50°C; +/- 0,3 °C, incl. software integration
					0					no pressure auto clean device
					1					pressure auto clean device - necessary for all applications excepted clean water (100mm); incl. all fittings and 2 m flexible tube for connection to con::nect/con::stat/con::lyte
						a				anodised aluminium alloy for use in standard applications & for 100 mm of pathlength; mass < 1,1 kg!
						b				aluminium bronze alloy for use in aggressive (industrial) media (to be specified); not available for 100 mm of pathlength; mass < 2,25 kg; surcharge
						s				stainless steel for use in aggressive (industrial) media (to be specified); not available for 100 mm of pathlength; mass < 2,35 kg; 6 weeks delivery time; surcharge
							10			individual specification up to 10 bar pressure; 8 weeks delivery time; constation of s::can required (regarding additional infrastructure) surcharge
								NO		no specific certification
Specify Application										
										<i>"Global calibrations" are standard spectral algorithms that facilitate the easy local calibration on site under the specific conditions of typical applications. The following ones are only a selection. We can provide or develop additional "Global calibrations", i.e. for industrial applications, and periodically release new ones. Please ask our process engineers if we can provide a standard solution for your measuring task.</i>
							t1			test, UV-Vis, global calibration absorbances and derivatives for self-developing of algorithms and parameters; needs UV-Vis detector !



										i2	test, UV, global calibration absorbances and derivatives for self-developing of algorithms and parameters; needs UV detector !
										d1	drinking water, UV-Vis, global calibration Turbidity, NO3-Neq, TOCeQ and DOCeQ, local calibration recommended; needs UV-Vis detector !
										d2	drinking water, UV, global calibration NO2-Neq, NO3-Neq and TOCeQ; local calibration recommended; needs UV detector !
										d3	drinking water incl. chlorine demand, UV-Vis, global calibration Turbidity, NO3-Neq, TOCeQ, DOCeQ and CLDeq; local calibration recommended; needs UV-Vis detector !
										d9	drinking water & ana::larm, UV-Vis, global calibration & software Turbidity, NO3-Neq, TOCeQ, DOCeQ and 4 alarm parameter; local calibration recommended; needs UV-Vis detector; ana::pro required!
										r1	river, UV-Vis, global calibration Turbidity, NO3-Neq, TOCeQ and DOCeQ; local calibration recommended; needs UV-Vis detector!
										r2	river, UV, global calibration NO2-Neq, NO3-Neq and TOCeQ; local calibration recommended; needs UV detector!
										e1	WWTP effluent, UV-Vis, global calibration TSSeq, NO3-Neq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector !
										e2	WWTP effluent, UV, global calibration NO2-Neq, NO3-Neq and CODEq; local calibration recommended; needs UV detector !
										g1	ground water, UV-Vis, global calibration Turbidity, NO3-Neq, TOCeQ and DOCeQ; local calibration recommended; needs UV-Vis detector !
										g2	ground water, UV, global calibration NO2-Neq, NO3-Neq and TOCeQ; local calibration recommended; needs UV detector !
										i1	WWTP influent, UV-Vis, global calibration TSSeq, NO3-Neq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector
										i3	WWTP influent BOD, UV-Vis, global calibration TSSeq, NO3-Neq, CODEq and BODeq; local calibration recommended; needs UV-Vis detector !
										i9	WWTP influent & ana::larm, UV-Vis, global calibration & software, global calibration TSSeq, NO3-Neq, CODEq, CODfeq and 4 alarm parameter; local calibration recommended; needs UV-Vis detector; ana::pro required!
										l1	WWTP aeration, UV-Vis, global calibration TSSeq, NO3-Neq and CODfeq; local calibration recommended; needs UV-Vis detector !
										m1	dairy WWTP influent, UV-Vis, global calibration TSSeq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector !
										p1	paper mill WWTP influent, UV-Vis, global calibration TSSeq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector !
										q1	paper mill WWTP effluent, UV-Vis, global calibration TSSeq, NO3-Neq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector !
										b1	brewery WWTP influent, UV-Vis, global calibration TSSeq, CODEq and CODfeq; local calibration recommended; needs UV-Vis detector !
										a1	all available "global calibrations" for UV-Vis standard applications excl. spectral alarm software ana::larm.
										a2	all available "global calibrations" for UV standard applications excl. spectral alarm software ana::larm.

Product List Infrastructure, October to December 2005	
PC Connection Box; Pressure Devices	
B-22-230	connect - power supply / compressed air connection For operation via standard PC / notebook, if no scan controller D312 or D316 is in use. Or if the distance from scan probe to scan controller is more than 27,5 m. Interfaces: 1 x spectrometer or G-series (MIL-Spec, RS485 or RS232); 12 V = and RS232 or RS485 via clamps; 100 to 240 V ~; 1 x USB; IP65; excl. power cable; cleaning valve included;
B-22-024	connect - power supply / compressed air connection For operation via standard PC / notebook, if no scan controller D312 or D316 is in use. Or if the distance from scan probe to scan controller is more than 27,5 m. Interfaces: 1 x spectrometer or G-series (MIL-Spec, RS485 or RS232); 12 V = and RS232 or RS485 via clamps; 24 V =; 1 x USB; IP65; excl. power cable; cleaning valve included;
B-23-230	connect - power supply For operation via standard PC / notebook, if no scan controller D312 or D316 is in use. Or if the distance from scan probe to scan controller is more than 27,5 m. Interfaces: 1 x spectrometer or G-series (MIL-Spec, RS485 or RS232); 12 V = and RS232 or RS485 via clamps; 100 to 240 V ~; 1 x USB; IP65; excl. power cable; excl. cleaning valve;
B-23-024	connect - power supply For operation via standard PC / notebook, if no scan controller D312 or D316 is in use. Or if the distance from scan probe to scan controller is more than 27,5 m. Interfaces: 1 x spectrometer or G-series (MIL-Spec, RS485 or RS232); 12 V = and RS232 or RS485 via clamps; 24 V =; 1 x USB; IP65; excl. power cable; excl. cleaning valve;
B-31-12	scan compressor 12V 12 V/ 12 A mini compressor w. 2 l pressure tank, 7 bar, industry quality, complete w. fittings, outdoor housing, made by scan
B-31-230	scan compressor 230V B31-12 incl. external 230 V to 12 V power supply IP20 (indoor installation)
B-40	pressure connection set
B-41	pressure connection replacement set (spare part) 5 x instrument pressure banjo bolt connections, 3 m pressure pipe incl. connection fitting
B-42	10 x banjo bolt (spare part)
B-43	10 x desiccant (spare part)
B-44	cleaning valve, incl. Assembling (spare part)
B-45	PVC clips (spare part)
B-60-1	Cleaning Brushes (for pathlength < 5mm) as standard equipment free of charge
B-60-2	Cleaning Brushes (for pathlength > 2mm) as standard equipment free of charge
Cables, Batteries	
C-14	Field case for operation via PC / Notebook: Akku 20 Ah, for loggermode of spectrometer; 12 V = connector for charging device & for connect; excl. cleaning valve, connect required!
C-15	electronic battery charger
C-2	Optional connector MIL-Spec instead of cable feed through on spectrometer, max. 2 bar pressure. Restricted applicability in waste waters.
C-220	20 m extension cable (RS232 and RS485 possible)
C-2xx	other lengths on demand (max. 30m)

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	Operation, Visualisation and Additional Interfaces
D-312	<p>con::stat - Industrial Process Control Terminal</p> <p>Proprietary s::can product. Embedded high performance industrial PC, many options for integration to SCADA systems and for integration of sensors incl. visualisation and communication of data; process visualisation & process control (alarms, triggering etc.), database or web server possible. standard interfaces: RS485 to MIL-Spec, 1 x RS232 or 1 x RS485, 3 x 4-20 mA OUT, 1 x 4-20 mA IN, 3 (4) configurable relay contacts 1A, 10/100 MBit internal networkcard to RJ45, USB 1.x for data transfer (USB-flash-drive not included). PS2 GSM Modem optional, additional interfaces possible (see 322-8, 323-4). Housing aluminium alloy, IP65, 280/220/70 mm. TouchPanel. VGA Daylight TFT Display, incl. power supply (220/110 V~, 20 W, or 12 V=) and cleaning valve</p>
D-300	<p>Licence MS-WindowsNT embedded (obligatory to D312)</p> <p>Fix installed OS incl. MSCClient (TCP/IP, NetBEUI for LAN), FTP-Server (file transfer) and VNC-Server (remote control)</p>
D-300-set	<p>Individual settings in D300 (to be specified when ordering!)</p> <p>Individual IP-address, individual group- & computername, DHCP-Server, for integration of D312 in existing LAN.</p>
D-312-pen	3 touch pens (spare part)
D-31-448	<p>Large data flash memory</p> <p>448 MB instead of 64 MB</p>
D-31GSM	<p>GSM-Module (highly recommended for remote access to D312)</p> <p>Data transmission (DFÜ) via cellular telephone network by integrated modem in D312 resp. D314 - including antenna, SIM-card (unlocked data line & unlocked PIN-code necessary) not included.</p>
D-31GSM-ANT	Antenna for GSM-Module (spare part)
D-31MEM-128	<p>128 MB memory for data saving (for data transfer from D312)</p> <p>easy transfer of resultfiles from D312 via USB; 128 MB.</p>
D-31MEM-512	<p>512 MB memory for data saving (for data transfer from D312)</p> <p>easy transfer of resultfiles from D312 via USB; 512 MB.</p>
D-31MOD	<p>External analog-modem for D312</p> <p>data transmission (DFÜ) via conventional telephone network (EC compatible), incl. connection to D312, phone-connector TAE6 & TAE8 and power supply (230 V / 50 Hz).</p>
D-316-1-024	<p>con::lyte 1 - for s::can oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of one parameter! interfaces: 1 x 0/4-20 mA OUT, 1 configurable relay contact, 1 alarm relay. 2" Daylight LCD, alpha numeric display, keypad, power supply: 24 V=; excl. power cable; incl. cleaning valve. 240/185/120mm; IP65.</p>
D-316-1-230	<p>con::lyte 1 - for s::can oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of four parameters! interfaces: 1 x 0/4-20 mA OUT, 1 configurable relay contact, 1 alarm relay. 2" Daylight LCD, alpha numeric display, keypad, power supply: 230 V~; excl. power cable; incl. cleaning valve IP65.</p>
D-316-2-024	<p>con::lyte 2 - for 2 Parameters of s::can G::series or oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of two parameters! interfaces: RS485 to MIL-Spec, 2 x 0/4-20 mA OUT, 2 configurable relay contacts, 1 alarm relay. 2" Daylight LCD, alpha numeric display, keypad, power supply: 24 V=; excl. power cable; incl. 1 cleaning valve (additional cleaning valves to be ordered seperately: B-44). 240/185/120mm; IP65.</p>
D-316-2-230	<p>con::lyte 2 - for 2 Parameters of s::can G::series or oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of four parameters! interfaces: RS485 to MIL-Spec, 2 x 0/4-20 mA OUT, 2 configurable relay contacts, 1 alarm relay. 2" Daylight LCD, alpha numeric display, keypad, power supply: 230 V~; excl. power cable; incl. 1 cleaning valve (additional cleaning valves to be ordered seperately: B-44). IP65.</p>

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D-316-4-024	<p>con::lyte 4 - for 4 Parameters of s::can G::series or oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of four parameters! interfaces: RS485 to MIL-Spec, 4 x 0/4-20 mA OUT, 4 configurable relay contacts, 1 alarm relay, 2" Daylight LCD, alpha numeric display, keypad, power supply: 24 V=; excl. cable; incl. 1 cleaning valve (additional cleaning valves to be ordered separately: B-44). IP65.</p>	>
D-316-4-230	<p>con::lyte 4 - for 4 Parameters of s::can G::series or oxi::lyser</p> <p>Proprietary s::can product. Terminal for operation, on site display and data transfer of four parameters! interfaces: RS485 to MIL-Spec, 4 x 0/4-20 mA OUT, 4 configurable relay contacts, 1 alarm relay, 2" Daylight LCD, alpha numeric display, keypad, power supply: 230 V~; excl. power cable; incl. 1 cleaning valve (additional cleaning valves to be ordered separately: B-44). IP65.</p>	
D-322-8	<p>Additional sensors input device: 8 x Analog-to-digital converter on con::stat</p> <p>If the 1 analog IN channel should not be enough, this simple device can be added to con::stat or con::vert.</p> <p>8-channel 4-20 mA (8 differential), RS485, 10 Hz, 12 bit; mV, V, mA; 71/121/25 mm; incl. software integration; 1,4 W power consumption, supply from D325; DIN rail compatible. Indoor use only.</p>	>
D-323-2	<p>Additional analog output device: 2 x Digital-to-analog-converter on con::stat, isolated</p> <p>If the 3 analog OUT channels should not be enough, this simple device can be added to con::stat. More can be stacked to provide more channels.</p> <p>2-channel 4-20 mA (2 differential), RS485, 12 bit, mV, V, mA; 71/121/25 mm; incl. software integration; 2,4 W</p> <p>power consumption, supply from D325, DIN rail compatible. Indoor use only.</p>	
D-324-5	<p>Additional relay contacts output device: 5 x Digital-to-relay-converter on con::stat, isolated</p> <p>If the 3 configurable relay contacts should not be enough, this simple device can be added to con::stat.</p> <p>5 relay contacts, RS485; 71/121/25 mm; incl. software integration; 1,3 W power consumption, supply from D325, DIN rail compatible. Indoor use only.</p>	
D-325	<p>power supply module 12 V incl. 0,5 m DIN rail</p> <p>highly recommended for power supply and mounting of D322-8 and D323-4, max. 5 input and / or output devices, incl. DIN-rail; power supply: 230 V~.</p>	
D-326	<p>converter RS232 to RS485</p> <p>required for operating D322-8 and D323-4 via RS232 of PC / Notebook. Supply from D325; DIN rail compatible. Indoor use only.</p>	
Sensors & additional infrastructure		
E-411	<p>cell holder insert</p> <p>for 35 mm version, to do laboratory measurements with 10 mm Standard quartz cuvettes.</p>	>
E-421-1	<p>multifunctional slide (for pathlengths from 1 mm to 35 mm)</p> <p>as standard equipment free of charge, to be pushed over the measuring path, converts it into a large cuvette, sealed by two O-Rings, useful for referencing of the instrument with any liquids, calibration, sample tests when larger samples are available, dilution experiments, kinetic experiments.</p>	>
E-421-2	<p>multifunctional slide (for pathlength 100 mm)</p> <p>as standard equipment free of charge, to be pushed over the measuring path, converts it into a large cuvette, sealed by two O-Rings, useful for referencing of the instrument with any liquids, calibration, sample tests when larger samples are available, dilution experiments, kinetic experiments.</p>	>
E-431-a	<p>insert for shortening pathlength</p> <p>standard length 30 mm (others on demand), Reduces from 35 mm to 5 mm pathlength, 7 times larger measuring range, but also 7 times higher detection limits, can be attached easily into the measuring path, incl. auto cleaning, not recommended for long time process measurements!</p>	>
E-431-b	<p>insert for shortening pathlength, aluminium bronze alloy</p>	



E-501	<p>oxi:lyser</p> <p>power Supply 12 V DC via con::lyte 1, integration via RS485 of con::lyte 1, con::lyte 2, con::lyte 4 or con::stat, 10 m cable, 0 - 25 ppm;</p>	>	
E-511	<p>Sensor Conductivity: 0-2 mS; 0 - 20 mS; 0 - 200 mS</p> <p>power Supply 12 V DC via con::stat or external, 3 m cable, 4-20mA OUT (integration to 4-20mA IN of con::stat), 2 % of upper limit</p>		
E-521	<p>Sensor pH: 2 - 12 pH</p> <p>power Supply 12 V DC via con::stat or external, 3 m cable, 4-20mA OUT (integration to 4-20mA IN of con::stat), 1 % of upper limit</p>		
Installation			
F-11-1	<p>probe-carrier, PVC (Europe only)</p> <p>for easy attachment to F14 (ID 50 mm), cable & hose integrable, incl. fittings; extension & brackets not included.</p>	>	
F-14-1	<p>2,5 m extension for probe-carrier, PVC (Europe only)</p> <p>OD 50 mm, for easy attachment to massive walls & railings, stainless steel mounting brackets included.</p>		
F-441-1	<p>by-pass fitting, EloxAl (for pathlengths from 1 mm to 35 mm)</p> <p>for off-line measurements in by-pass pipes, with lock nut sealing, i.e. in the effluent of pumps, or parallel to process streams, easy to attach and remove, incl. two 0,25" hose nipples, up to 10 bar / 45° medium temp. (60° short time) pH 4 - 9</p>		
F-441-2	<p>by-pass fitting, EloxAl ((for pathlength 100 mm)</p> <p>for off-line measurements in by-pass pipes, with lock nut sealing, i.e. in the effluent of pumps, or parallel to process streams, easy to attach and remove, incl. two 0,25" hose nipples, up to 10 bar / 45° medium temp. (60° short time) pH 4 - 9</p>	>	
F-442-1	<p>simple by-pass fitting, Pom-C (for pathlengths from 1 mm to 35 mm)</p> <p>for off-line measurements in by-pass pipes, double o-ring seal, i.e. in the effluent of pumps, or parallel to process streams, easy to attach and remove, incl. two 0,125" hose nipples, up to 1 bar / 45° medium temp., pH 4 - 9</p>		
F-442-2	<p>simple by-pass fitting, Pom-C (for pathlength 100 mm)</p> <p>for off-line measurements in by-pass pipes, double o-ring seal, i.e. in the effluent of pumps, or parallel to process streams, easy to attach and remove, incl. two 0,125" hose nipples, up to 1 bar / 45° medium temp., pH 4 - 9</p>		
F-443-1	<p>complete by-pass setup, Pom-C (for pathlengths from 1 mm to 35 mm)</p> <p>for monitoring in by-pass pipes, also for waste waters, automatic cleaning arranged, incl. two 0,5" hose nipples up to 3 bar / 50°C water temperature (60° temporary), excl. optional controlling of solenoid valves via LabView™ / con::stat (addition of reagents etc.), 12 V solenoid valves not included, not necessary for standard operation, pH 4 - 9</p>	>	
F-61	<p>Pontoon (for floating installation, practical for sewers)</p> <p>for installation in open channels; made of carbon-fibre - equipped with a stainless steel keel, practical for open channels. Not suitable for filled closed systems, extremely robust. No installation material is included; 8 weeks delivery time.</p>	>	
F-51	<p>Weather shield</p> <p>protection of D312 con::stat terminal, consists of a stainless steel back shield topped by a moulded top shield, and a polycarbonate sliding front.</p>		
Software & Manuals			
S-01-c	<p>ana:lyte - standard process software CD-Rom</p> <p>software optimised for simple operation via con::stat. Simple graphical user interface; numerical and grafical data visualisation; multiparameter process visualisation; simple zoom/scroll options; simple spectral analysis; autocalibration module; autoinspection; I/O configuration for additional sensor integration & Alarm/Control trigger; autostart; data files MSExcel compatible.</p>		

S-01-c-up	ana::lyte - update CD-Rom (logistic costs not included)
S-01-f	ana::lyte - standard process software flash for con::stat software optimised for simple operation via con::stat. Simple graphical user interface; numerical and grafical data visualisation; multiparameter process visualisation; simple zoom/scroll options; simple spectral analysis; autocalibration module; autoinspection; I/O configuration for additional sensor integration & Alarm/Control trigger; autostart; data files MSExcel compatible.
S-01-m	ana::lyte - manual (only with ana::lyte license)
S-03-c	ana::pro - advanced process software CD-Rom software optimised for operation via PC/notebook. Advanced graphical user interface; numerical and grafical data visualisation; advanced multiparameter process visualisation; advanced zoom/scroll options; advanced spectral analysis; supports spectral alarm software ana::larm (requires corresponding global calibration); derivative spectra access; delta spectra access; autocalibration module; autoinspection; data-logger access; off-Line data analysis; facilitates digital integration of optical O2-sensor; I/O configuration for additional sensor integration & Alarm/Control trigger; necessary to build digital interfaces to control systems; configurable interface for database & PC; data files MSExcel compatible.
S-03-c-up	ana::pro - update CD-Rom (logistic costs not included)
S-03-f	ana::pro advanced process control software licence flash for constat software optimised for operation via PC/notebook. Advanced graphical user interface; numerical and grafical data visualisation; advanced multiparameter process visualisation; advanced zoom/scroll options; advanced spectral analysis; supports spectral alarm software ana::larm (requires corresponding global calibration); derivative spectra access; delta spectra access; autocalibration module; autoinspection; data-logger access; off-Line data analysis; facilitates digital integration of optical O2-sensor; I/O configuration for additional sensor integration & Alarm/Control trigger necessary to build digital interfaces to control systems; configurable interface for database & PC; data files MSExcel compatible.
S-03-m	ana::pro - manual (only with ana::pro license)
S-04-c	ana::pro - s::can partners process software CD-Rom unlimited access to s::can spectro::lyzers; only for s::can partners; features see S03
S-04-c-up	ana::pro - update s::can partners process software CD-Rom (logistic costs not included)
S-04-f	ana::pro - s::can partners process software flash for constat unlimited access to s::can spectro::lyzers; only for s::can partners; features see S03
S-11-c	moni::tool - monitoring station software licence CD-ROM powerful station software for the integration of more sensors, also third party's sensors via RS485 or 4-20 mA on terminal D312; onLine visualisation; data handling and storage in internal database; Alarms, plausibility checks etc.; web server basis module, Original s::can product under LabViewTM (No third party license required) Consultation of s::can required.
S-11-m	moni::tool - manual (only with moni::tool license)
S-21-m	s::can monitoring system - Manual (for all s::can hardware)
S-31-m	s::can technical documentation (for all s::can hardware)
S-41-m	s::can G::system - Manual (for complete G::system)
S-51-m	Set of Manuals (logistic costs not included) hardcopy of ana::lyte - Manual, ana::pro - Manual, System Manual & Technical Documentation (only with corresponding licenses)
S-51-m-cd	Set of Manuals - CD-Rom (logistic costs not included) ana::lyte - manual, ana::pro - manual, system manual & technical documentation in digital form (only with corresponding licenses)

Services & solutions	
I-C	1 hour consulting, data handling; (excl. expenses etc.)
I-S	1 hour service (excl. expenses etc.)
I-T	1 hour engineer, service on site (excl. expenses etc.)
I-I	Initiation of one s::can monitoring system on site (excl. Expenses etc.) mounting of one s::can monitoring system; individual setting of I/Os (4-20mA, relay); individual local calibration of 2 parameters (excl. chemical analysis); individual setting of single wavelengths, individual test certificate (based on individual configuration on site). Support by the customer required.
A-x1?	feasibility study individ. spectral analysis; minimum of 3 samples necessary, more depending on process variability; price estimation per parameter: 1300 Euro, depends on concrete task; actual costs will be accounted; consultation of s::can required. 75 - 115 € per hour
A-x1?	parameter x1 individ. local calibration or alarm parameter designed by s::can; based on chemometric methods (PCA/PLS), derivative spectrometry etc.; incl. statistical quality evaluation; excl. data collection, plausibility check and data handling; depending on matrix variability a minimum of 15 controlled datasets is necessary; resultfiles, calibrationfiles and filled in form required; estimated price per parameter: 2.500 Euro, depends on concrete task; actual costs will be accounted; s::can feasibility study f? required; consultation of s::can required. 75 - 115 € per hour
A-x2?	parameter x2 individ. local calibration or alarm parameter designed by s::can; based on chemometric methods (PCA/PLS), derivative spectrometry etc.; incl. validation and statistical quality evaluation; incl. data handling and plausibility check; excl. Data collection; depending on matrix variability a minimum of 20 datasets and one week of OnLine data is necessary; resultfiles and filled in form required. estimated price per parameter: 3.500 Euro, depends on concrete task; actual costs will be accounted; s::can feasibility study f? required; consultation of s::can required. 75 - 115€ per hour
A-x3?	parameter x3 individ. local calibration or alarm parameter designed by s::can; based on chemometric methods (PCA/PLS), derivative spectrometry etc.; incl. validation and statistical quality evaluation; incl. data handling and plausibility check; incl. data collection and support of monitoring on site; depending on matrix variability a minimum of 20 datasets and one week of OnLine data is necessary; filled in form required. actual costs will be accounted; s::can feasibility study f? required; consultation of s::can required. 75 - 115€ per hour
A-xb2	Benzene monitor universal spectral model, validation recommended - needs UV detector; consultation of s::can required.
A-xp2	Phenole monitor universal spectral model, validation recommended - needs UV detector; consultation of s::can required.
A-xms	Complete Monitoring Stations - Europe only Complete monitoring stations will be built up as compact as possible, tested and certified together with third party staff at s::can headquarters. The customer has to send to s::can digital photo-pictures of the monitoring station and all information needed to do the installation. After dismantling, the system will be transported to customer and installed by s::can or partner company (only standard installation work included, no plumbing, construction, no advanced cabling work). After installation the system will be set into operation and tested. The customer will be instructed in operation and communication with service staff. For service purposes only, s::can is allowed to use the telephone line from outside (each connection will be reported to customer). Design and construction included, all equipment, material and transport costs on time and material basis. pls. ask for an individual agreement!
X-03	3 years service package - Europe only! free maintenance; 1 full instrument check / year; 14 days exchange service. Please ask for an individual service agreement!
X-05	5 years full service package - Europe only! free maintenance; 1 full instrument check / year; 48 h exchange service; free software upgrades. Please ask for an individual service agreement!