

Terminals



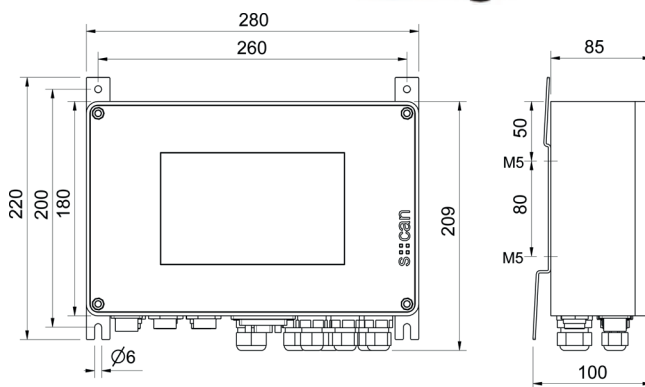
con::cube



con::lyte

con::cube

- latest generation of s::can terminal
- high-performance, power efficient industrial PC based on Intel Atom technology and 4 GB onboard memory
- wide screen color graphical display (7") and touch screen
- highly intuitive use, touch-and-feel like a cell phone; iconographic drag-and-drop operation on several levels
- plug & play operation of 5 s::can probes standard; unlimited number of probes optional. Support for two external cleaning valves
- low power operation with less than 3 watt (@ 15 minutes measuring interval) for solar panel applications
- worldwide network connectivity thanks to quad-band WCDMA and dual-band EV-DO network connection technology
- WIFI interface integrated for remote control and data transfer
- highspeed 100 Mb/s ethernet interface for integration into larger networks
- easy data transfer via USB-stick
- process interface to SCADA via relay outputs, 4-20 mA, SDI-12, Modbus RTU/TCP and Profibus DP
- integration of third party sensors via 4-20 mA inputs, SDI-12 and Modbus RTU/TCP
- easily extendable with additional analog and digital I/Os utilizing eight available extension slots
- process software moni::tool pre-installed; additional software tools (e.g. data validation or event detection) optional
- display of concentration values, historians, optical spectra and all events in clear text
- easy configuration, calibration and administration of full s::can monitoring stations and networks



standard accessories

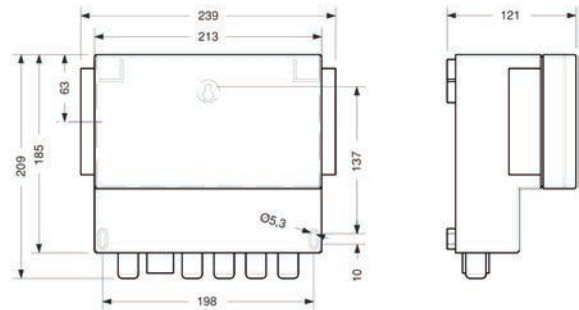
part number	article name
S-11-04-moni	moni::tool - Basic s::can monitoring station software for 4 (8) parameters
S-11-08-moni	

technical specification	
integration of	1 x s::can spectrometer probe and 4 x s::can sensors or ISE probes
display	VGA color-display 7" TFT (optional)
function indicator	4 x LED
operation via	integrated touch-screen (optional) Ethernet - Browser or VNC WIFI - Browser or VNC USB (keyboard, mouse) 3G modem (optional)
operating system	embedded XP
main memory	1 GB RAM
onboard memory	4 GB
interface to s::can spectrometric probes	1 x MIL (IP67), RS485
interface to s::can sensors	4 x sys plug (IP 67), RS485
interface to third party sensors	RS485 Modbus, SDI-12, up to 16 x 4-20mA input
network connection	802.11n a/b/g WIFI 300Mb/s Ethernet LAN
interface to SCADA	Modbus RTU or TCP, Profibus DP (optional), SDI-12 (optional)
data transfer	via PC or USB stick
remote control & data transfer	via Ethernet / XML protocol
GSM/GPRS Modem	Global multi-mode connectivity 850/1900 MHz GSM/GPRS/EDGE - 850/900/1800/1900 MHz HSDPA/HSUPA/UMTS - 850/900/1900/2100 MHz
power supply	D-315-230: 100 ... 240 VAC D-315-024: 10 ... 30 VDC
grounding	<0.5 Ohm to process media
power consumption (typical)	1.5 W (in sleep mode) 10 W (no analogue ports) 30 W (fully equipped)
power consumption (max.)	20 W (no analogue ports) 60 W (fully equipped)
analog outputs	up to 8x2 x 4-20 mA
analog inputs	up to 8x2 x 4-20 mA
outputs for automatic cleaning	2
digital inputs	up to 7x2 x 24 VDC
relay outputs	4 x 2A (250 VAC)
system error relay	1 x 2A (250 VAC)
dimensions (width x height x depth)	280 x 209 x 85 mm
housing material	aluminium alloy, powder coated
weight (min.)	2 kg (no display) 3 kg (incl. display)
operating temperature	-20 ... 50 °C
storage temperature	-20 ... 60 °C
storage humidity	5 ... 90 %
ingress protection class	IP65
conformity - EMC	EN 61326-1
conformity - safety	EN 61010-1 UL 61010-1:2004 R10.08 CAN/CSA-C22.2 NO. 61010-1-04+G11 (R2009)
part number 24V	D-315-024
part number 230V	D-315-230

recommended accessories	
part number	article name
C-31-eu	Optional 2 m power cable
C-31-us	Optional 2 m power cable
D-315-in-mA	2 analogue inputs (input module), provides 2 analogue inputs (4-20mA) for integration of 3rd party readings
D-315-in-relay	2 digital inputs (input module), provides 2 digital IN (5-24V) for integration of 3rd party readings
D-315-in-SDI12	SDI 12 (input module), provides SDI 12 for integration of 3rd party readings
D-315-out-mA	2 analogue outputs (output module), provides data transfer to PLC systems
D-315-out-Pro-fibus	provides Profibus DPVO for data transfer to PLC systems
D-315-out-relay	4 digital outputs (output module), provides 4 configurable relay contacts 1A
D-315-out-SDI12	SDI 12 (output module), provides SDI 12 for data transfer to PLC systems
F-51	weather shield for s::can terminals
S-11-24-moni	moni::tool - Advanced s::can monitoring station software for 24 parameters
S-14-08-vali S-14-24-vali	vali::tool - s::can data validation software
D-315-anten-na-pro	External, high range antenna option for con::cube, incl. 10 m extension cable
D-315-anten-na-plug	Internal antenna adapter cable and connector, option for con::cube

con::lyte

- s::can terminal
- operation of up to 3 s::can sensors / probes (plug & measure)
- display up to 4 parameters
- setup and calibration of all s::can monitoring systems
- interface to SCADA via 4-20 mA analog outputs (optional for con::lyte pro)
- optional (only con::lyte pro): gateway to modbusRTU or profibus
- relay outputs
- control of cleaning valves
- logbook available
- optional: integrated datalogger



technical specification

display	LCD
function indicator	2 x LED
operation via	keypad
interface to PC	USB for software update and datalogger
power supply	type D-319-x-024: 9-36 VDC type D-319-x-230: 90-250 VAC (47-63Hz)
grounding	<0.5 Ohm to process media
power consumption (max.)	28 W
system error relay	1 x 2A (250 VAC)
dimensions (width x height x depth)	240 x 185 x 120 mm
housing material	PP
weight (min.)	1400 g
operating temperature	-20 ... 50 °C
storage temperature	-20 ... 70 °C
ingress protection class	IP65
conformity - EMC	EN 61326-1
conformity - safety	EN 61010-1

recommended accessories

part number	article name
C-31-eu	Optional 2 m power cable
C-31-us	Optional 2 m power cable
D-319-logger	Datalogger option for con::lyte
D-319-out-modbus	Modbus/RTU (output module for con::lyte pro)
D-319-out-profibus	Profibus (output module for con::lyte pro)
D-319-out-mA	2 x 0/4 - 20 mA (output module for con::lyte pro)
F-51	weather shield for s::can terminals

con::lyte eco

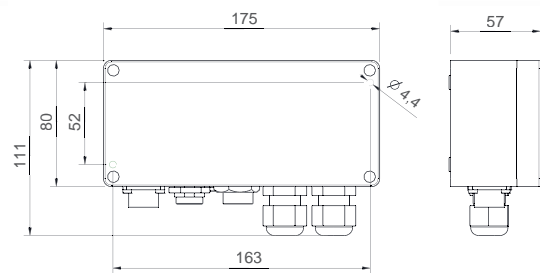
integration of	1 x s::can ISE probe or physical probe
interface to s::can sensors	1 x sys plug (IP67), RS485
analog outputs	1 x 0/4-20 mA
relay outputs	1 x 2A (250 VAC)
part number 230V	D-319-eco-230

con::lyte pro

integration of	1 x s::can spectrometer probe and 2 x s::can ISE probes or physical probes
interface to s::can spectrometric probes	1 x MIL (IP67), RS485
interface to s::can sensors	2 x sys plug (IP 67), RS485
interface to SCADA	Modbus RTU (optional) or Profibus (optional)
analog outputs	4 x 0/4-20 mA (optional)
outputs for automatic cleaning	2
relay outputs	4 x 2A (250 VAC)
part number 24V	D-319-pro-024
part number 230V	D-319-pro-230

con::nect

- s::can power supply including interface functionality
- operation of one s::can spectrometer probe and s::can sensor / ISE probe
- USB interface to PC/notebook
- RS485 interface to SCADA (modbusRTU integrated)
- essential for cable lengths over 37.5m (repeater functionality)
- control of cleaning valve (only for spectrometer probe)
- power supply for 12/24 VDC or 110/230 VAC



technical specification

integration of	1 x s::can spectrometer probe and 1 x s::can ISE probe or physical probe
function indicator	2 x LED
operation via	via PC / notebook
interface to s::can spectrometric probes	1 x MIL (IP67), RS485
interface to s::can sensors	1 x sys plug (IP67), RS485
interface to PC	USB 2.0
interface to SCADA	RS485
data transfer	via PC
power supply	DC: 10 ... 36 V AC: 85-265 V (47-63Hz)

power consumption (max.)	14.5 W
outputs for automatic cleaning	1
dimensions (width x height x depth)	80 x 175 x 57 mm (w/o cable bushing)
housing material	aluminium alloy, powder coated
weight (min.)	600 g
operating temperature	-20 ... 50 °C
storage temperature	-20 ... 50 °C
ingress protection class	IP65
conformity - EMC	EN 61326-1
conformity - safety	EN 61010-1
part number 24V	B-23-024
part number 230V	B-23-230

recommended accessories

part number	article name
C-14	field case
S-03-CD	ana::pro - Advanced Process Software CD-ROM

standard accessories

part number	article name
S-01	ana::lyte - Standard Process Software
B-32-230	s::can compressor
B-32-110	
B-32-012	
C-31-eu	Optional 2 m power cable

- Spectrometer Probes
- i::scan
- Ionselective Probes
- Physical Probes
- Terminals
- Software**
- System Configuration
- Monitoring Stations
- Spare Parts & Accessories
- Services & Solutions