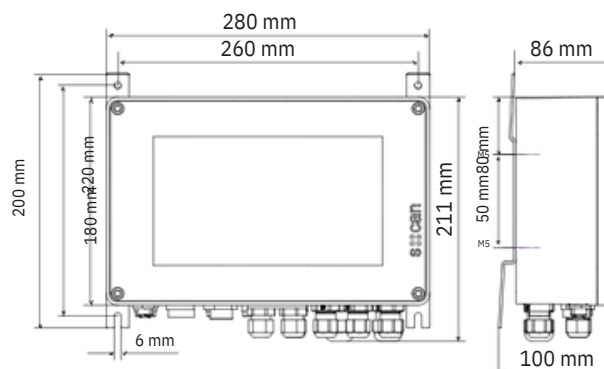


FEATURES

- s::can high-end IoT (Internet of Things) terminal based on an industrial PC, IP65
- Widescreen color graphical display (9-inch) and touch screen
- Highly intuitive use, informative visualization & easy operation: time series, optical spectra and all events in clear text via moni::tool
- Sensor and station management of up to 64 parameters: automatic cleaning, data logging, sample & calibration including history and multipoint calibration, sensor function check, user management
- Wide range AC and DC variants available
- Connectivity: 1000 Mb/s Ethernet, 300 Mb/s WLAN and optional worldwide LTE, 4G interface, remote control (https) and data transfer to the Cloud via (S)FTP, SSH and RSYNC
- Process interface to SCADA via Modbus RTU/TCP, SDI-12, Profibus DP, analog 0/4–20 mA and relay outputs (state)
- Integration of third-party sensors via analog 0/4–20 mA and digital (solid-state) inputs, Modbus RTU/TCP



STANDARD ACCESSORIES

Part Number	Article Name
S -11-04-moni	moni::tool; Basic s::can monitoring station software for 4 parameters
D -303-LX	Linux Application Licence (obligatory to D-330)
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
D -315- out-mA	2 analog outputs (output module), provides data transfer to PLC systems
D -315-in-mA	2 analog inputs (input module), provides 2 analog inputs (4–20 mA) 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- out-profibus	Provides Profibus DPV0 for data transfer to PLC systems



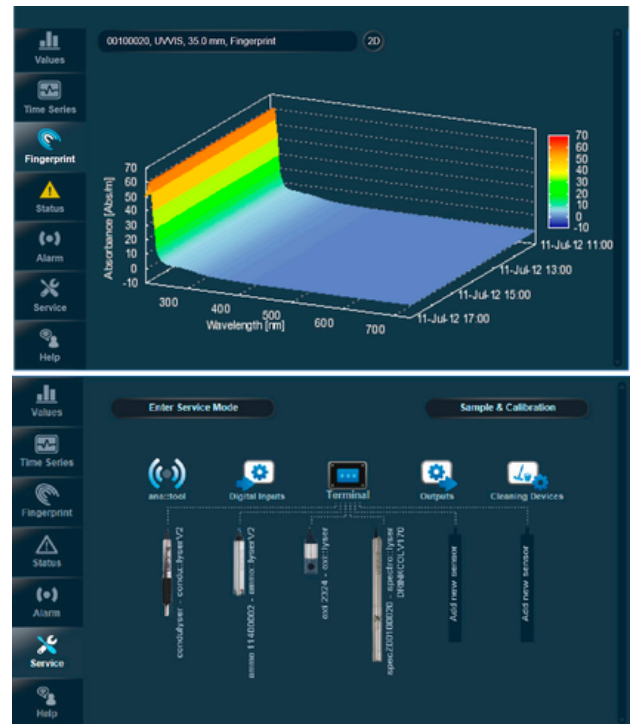
TECHNICAL SPECIFICATIONS

Integration of	1 x s::can spectrometer probe and 4 x s::can sensors or ISE probes
Display	Color display 9 in. TFT
Function Indicator	4 x LED
Operation Via	Integrated touch-screen (optional) Ethernet - Browser or VNC WIFI - Browser or VNC USB (keyboard, mouse) 4G modem (optional)
Operating System	Linux
Main Memory	2 GB RAM
Onboard Memory	16 GB
Interface to s::can Spectrometric Probes	M12 RSTS 8Y (IP67), RS485, Ethernet
Interface to s::can Sensors	4x sys-plug, RS485
Interface to Third-Party Sensors	Modbus RTU/TCP, analog inputs
Network Connection	802.11n a/b/g WIFI 300Mb/s Ethernet LAN 1 Gb/s worldwide 4G (optional)
Interface to SCADA	Modbus RTU/TCP, Profibus DP (optional), SDI-12 (optional), analog outputs
Data Transfer	Via SSH, FTP, SFTP, RSYNC and USB stick
Remote Control	Via http, https
Software Features	Multipoint calibration Event detection with spectral & pattern alarm Free formula WQI (water quality index)
Power Supply	D-330-230: 100–240V AC D-330-024: 10–36V DC

Power Consumption (Typical)	1.5 W (in sleep mode) 10 W (no analogue ports) 30 W (fully equipped)
Power Consumption (Max.)	20 W (no analog ports) 60 W (fully equipped)
Grounding	<0.5 Ohm to process media
Analog Outputs	Up to 8 x 2 x 0/4-20 mA
Analog Inputs	Up to 8 x 2 x 0/4-20 mA
Outputs for Automatic Cleaning	2
Digital Inputs	Up to 8 x 2 x 14 VDC
Relay Outputs	4 x 2A (500V AC)
System Error Relay	1 x 2A (500V AC)
Dimensions (Width x Height x Depth)	280 x 209 x 85 mm
Housing Material	Aluminium alloy, powder coated
Weight (Min.)	4 kg
Operating Temperature	–20 to 50 °C
Storage Temperature	–20 to 60 °C
Storage Humidity	5 to 90 %
Ingress Protection Class	IP65
Conformity - EMC	EN 61326-1
Conformity - safety	IEC/EN/UL/CSA 61010-1 IEC/EN/UL/CSA 61010-2-201 IEC/EN 60529 D-330-024 D-330-230

RECOMMENDED ACCESSORIES

Part Number	Article Name
C-31-eu	Optional 2 m power cable
C-31-us	Optional 2 m power cable
D-330-antenna-pro	External, high range antenna option for con::cube, incl. 3 m extension cable
D-330-antenna-plug	Internal antenna adapter cable and connector, option for con::cube
D-330-antenna-cable	10 m antenna extension cable
S-11-autosampler	moni::tool - auto sampler feature
S-11-basic-PLC	moni::tool - basic PLC functionality (time control, pulsing, custom bits)
S-11-camera	moni::tool - camera input
S-11-data-export	moni::tool - automatic data transfer (via SSH, FTP, TML)
S-11-free-formula	moni::tool - configureable mathematic formula
S-11-SMS	moni::tool - SMS notification
S-14-vali	moni::tool - s::can data validation software
S-15-ana	moni::tool - s::can event detection software
F-51	Weather shield for s::can terminals
S-20-MVA	Complete license of all moni::tool modules, vali::tool and ana::tool
D-330-4GLX	Worldwide 4G internet connection via 7-band HSPA+ (21 Mbps/5.7 Mbps)



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