

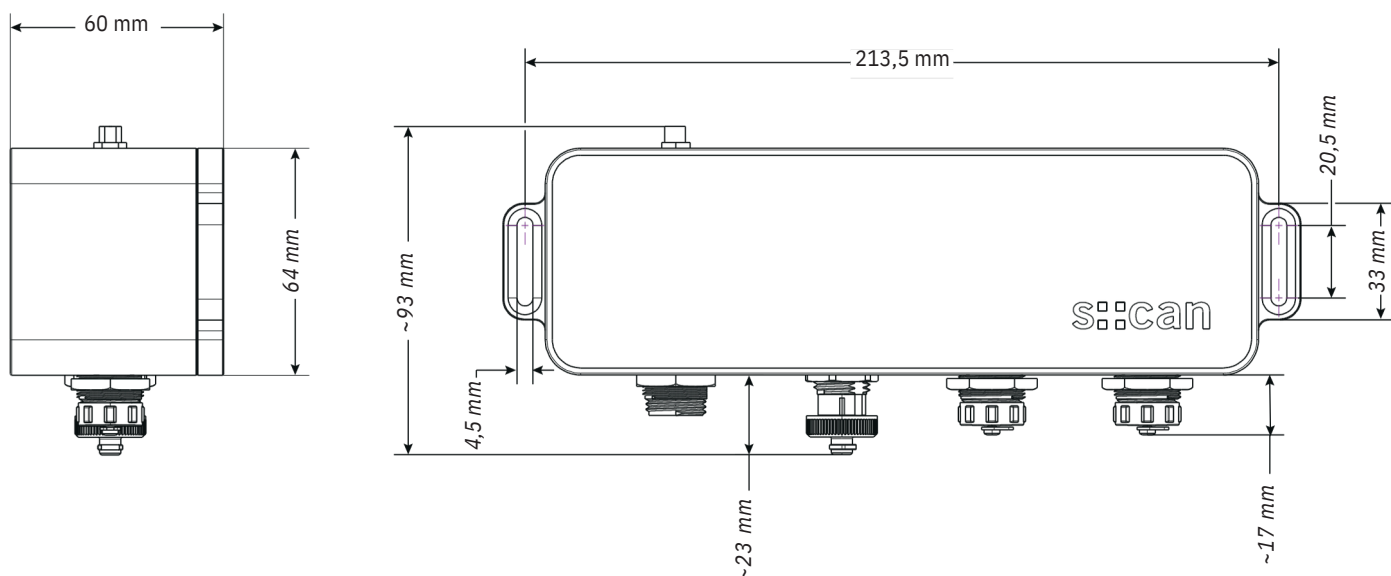
FEATURES

- s::can low-power terminal for battery operated, remote water quality monitoring
- 4G data communication to any cloud system through secure SFTP or SCP connections
- Direct plug connection to s::can pipe::scan and s::can probes
- On-board storage of measurement data up to one year
- Local access to terminal through WLAN interface using Io::Tool
- Modbus/TCP or Modbus/RTU uplink to SCADA systems



RECOMMENDED ACCESSORIES

Part Number	S-500-	Article Name
08-IO	D-500-DIN-	Io::Tool - s::can monitoring station software for 8 parameters
ADAPTER	C-500-	DIN Rail mounting set (for con::line)
CLEANING	C-500-	Adapter for autobrush/ruck::sack/B44 cleaning valve for con::line, IP68
ETHERNET	C-500-	Network adapter cable 30 cm
PIPESCAN-CABLE	C-	12-pin Buccaneer to pipe::scan hub, 10 m cable
500-POWER-030	C-	Power cable (con::line), 2-pin Buccaneer (loose ends), 3 m cable
500-UPLINK-010	C-	M12 Modbus/Ethernet to SCADA for con::line (loose ends) 1 m cable
500-UPLINK-075	C-	M12 Modbus/Ethernet to SCADA for con::line (loose ends) 7.5 m cable
500-IO-BOX		Adapter box 12-pin Buccaneer to terminal clamps, 0.5 m cable IP67, 2 cable glands

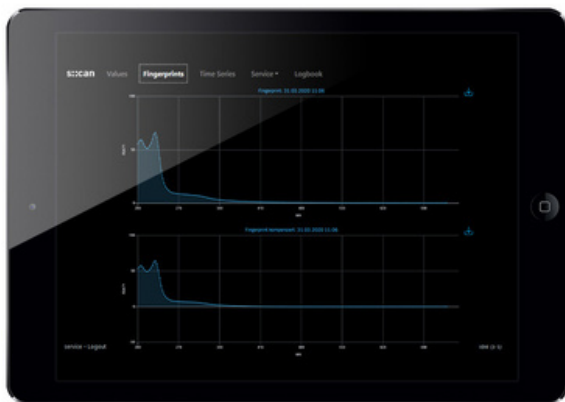




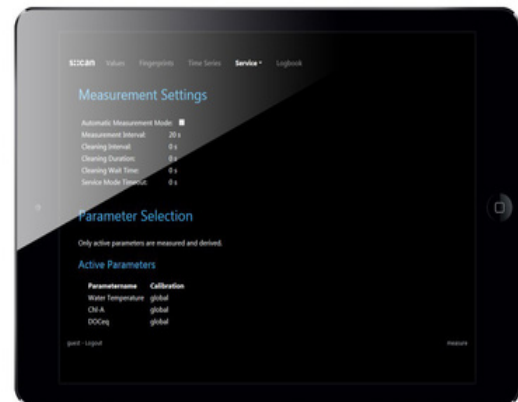
TECHNICAL SPECIFICATIONS

On-board Memory	8 GB	Internal Sensors	Automatic monitoring of supply voltage and current
Interface to s::can Sensors	Modbus/RTU through 6-pin buccaneer plug (sensors) and 12-pin buccaneer plug (pipe::scan and M-Nodes)	Power Consumption (Sleep Model)	< 50 mW
Interface to Third-party Sensors	2 × multi-purpose inputs: current OR voltage OR pulse counting	Power Consumption (Max.)	18 W with full sensor load
Network Connection	Built-in 4G LTE connection	SIM Card Format	2FF
Local Operation	Io::Tool through WLAN	Data Security	TLS 1.3, SSH encryption, hardware encryption of data
Antennas	Cellular: 2J2124B-B05H with 3 m cable 4G / WLAN: built-in antenna	Remote Configuration	VPN, config file pull from server
Antenna Plug	SMA (fm)	Supply Outputs	1 × 12V 6 pin buccaneer, 4 × 12V 12-pin buccaneer (shared between sensors and cleaning devices), 1 × 5V 12-pin buccaneer individually switchable
Frequency Bands	GSM, DCS, WCDMA, LTE, GNSS	Dimensions (width × height × depth)	22,6 × 6,0 × 6,4 cm
Interface to SCADA	Modbus/RTU and TCP (through M12 plug)	Housing Material	Polyurethane
Cleaning Device Support	ruck::sack, auto::brush, cleaning valve	Weight (Min.)	Approx. 500 g (1.1 lb)
Cloud Transfer	CSV file push through SFTP, SCP, HTTPS and REST API data pull	Operating Temperature	–20 to 60 °C
Device Updates	Local or over the air update	Installation / Mounting	Direct wall mounting, top hat rail mounting with adapters
Interface Software	Io::Tool browser software: multipoint calibration, free formular (incl. logical operators, historic values), display of fingerprint and compensated fingerprint, unlimited parameter display	Ingress Protection Class	IP67
Power Supply	External 2-pin buccaneer plug 9-18V DC, <1,5 A	Part Number	D-500-012
Power Consumption (Typical)	1.5W without sensors	Certifications	RED, FCC, ISED, PTCRB

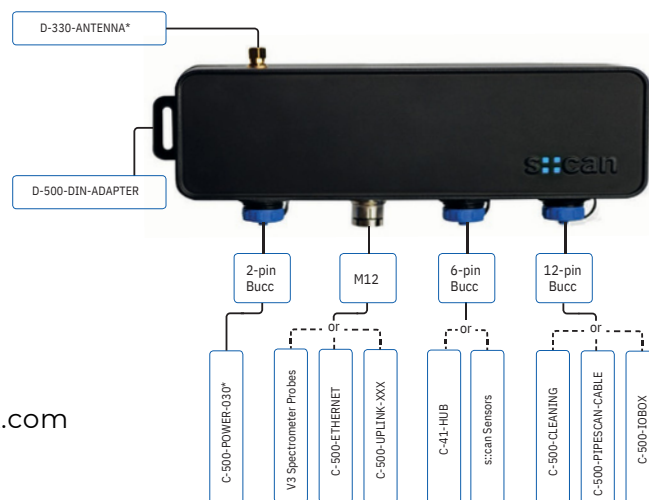
Io::Tool: Fingerprint & compensated fingerprint



Io::Tool: Measurement & parameter settings



con::line connections



* Included in the scope of delivery



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