




System 182

Up to 4 digital sensors can be connected to this system – insofar the system 182 is perfectly designated for the operation or completion of single measuring points at wastewater plants:

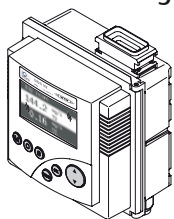
System 182

- 1 to 4 sensors
- Digital outputs
- All IQ sensors can be connected

- Up to 4 sensors can be connected out of a variety of 19 available digital sensors
- pH, ORP, D.O., conductivity, temperature and turbidity/ suspended solids, nutrient parameters ammonium, nitrate and COD can therefore be measured directly, in-situ
- Power supply through wide range mains converter (100-240 VAC) or 24 V alternative.
- Digital outputs PROFIBUS DP or MODBUS RTU
- Analog model with up to 5 analog outputs and 6 relays

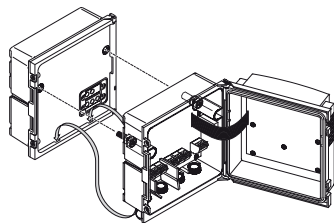
Module	DIQ/S 182	DIQ/S 182 XT	DIQ/S 182 XT-4
			NEW 
Max. number of sensors	2	2	4
Plug connection for Bus	Plug connection for Bus 2 x mA (0) 4 - 20 mA 3 x relay	DIQ/S 182 XT 4 x mA (0) 4 - 20 mA 5 x relay	DIQ/S 182 XT-4 5 x mA (0) 4 - 20 mA 6 x relay
Models with digital output PROFIBUS	DIQ/S 182 PR Plug connection for Bus 3 x relay	—	DIQ/S 182 XT-4/ PR Plug connection for Bus 3 x relay
Models with digital output MODBUS	DIQ/S 182 PR Plug connection for Bus 3 x relay	—	DIQ/S 182 XT-4/ PR Plug connection for Bus 3 x relay

Display of measurement value and navigation



- Single or double display with or without additional measuring parameter (i.e. temperature)
- Simultaneous display of status for all relays and power outputs in one overview

Sensor connection and system extensions



- Any IQ sensor will be automatically recognized by the system and displayed after connection.
- On demand, an additional main power supply can be connected to extend power for sensors with an increased power consumption.
- With stack-mounting, both the mechanical and electrical connect is established.
- Cable lengths of up to 250 m within the system.

Linking module for sensors and magnetic valve modules for compressed-air cleaning



- (DIQ/JB): Connection of a second or further distant IQ sensor
- (DIQ/CHV): Integrated magnetic valve is directly controlled by a relay of the transmitter

Configuration Options for System 182

Example 1

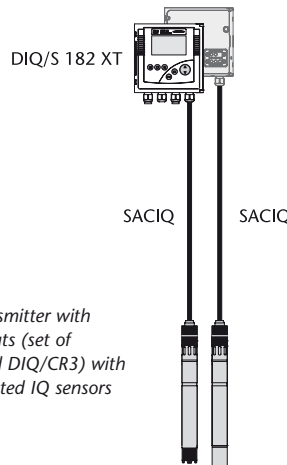
Configuration Example	Order No.
DIQ/S 182	472 000
SACIQ-7,0	480 042
IQ Sensor	user selected



Transmitter with 1 direct connected IQ sensor

Example 2

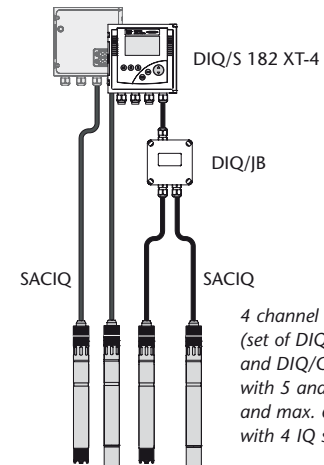
Configuration Example	Order No.
DIQ/S 182 XT	472 001
2 x SACIQ-7,0	480 042
2 IQ Sensors	user selected



2 channel transmitter with 4 analog outputs (set of DIQ/S 182 and DIQ/CR3) with 2 direct connected IQ sensors

Example 3

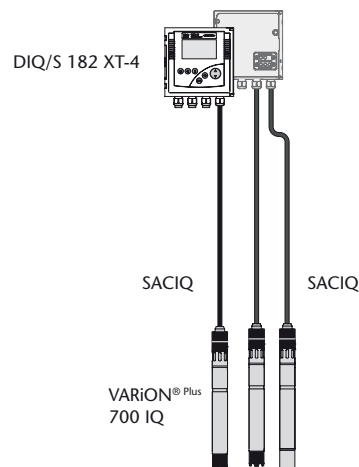
Configuration Example	Order No.
DIQ/S 182 XT-4	472 015
4 x SACIQ-7,0	480 042
DIQ/JB	472 005
4 IQ Sensors	user selected



4 channel transmitter (set of DIQ/S 182 and DIQ/CR3) with 5 analog outputs and max. 6 relays with 4 IQ sensors

Single measuring point with analog outputs

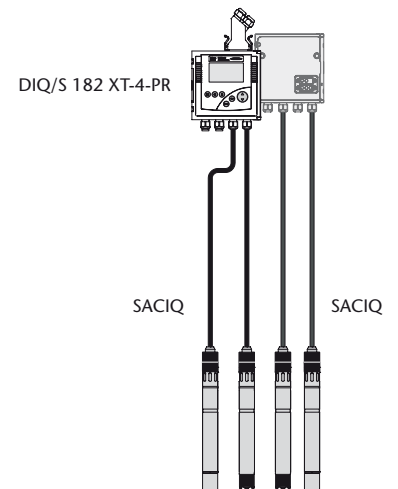
Configuration Example	Order No.
DIQ/S 182 XT-4	472 015
3 x SACIQ-7,0	480 042
VARiON [®] Plus 700 IQ	107 066
2 IQ Sensors	user selected



4 channel transmitter (set of DIQ/S 182 and DIQ/CR3) with 5 analog outputs and max. 6 relays with 3 IQ sensors

Single measuring point PROFIBUS / MODBUS

Configuration Example	Order No.
DIQ/S 182 XT-4-PR	472 017
4 x SACIQ-7,0	480 042
4 IQ Sensors	user selected



4 channel transmitter (set of DIQ/S 182 and MIQ/JB) with 3 relays and PROFIBUS-DPA connection with 4 IQ Sensors

General Description of Meters

Monitors

IQ SENSOR NET

Analyzer

Sample Preparation

Samplers

Accessories

Measuring stations

Ordering Information System 182

Monitors		Order No.
DIQ/S 182	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors with 2 analog outputs (0/4-20 mA) and 3 relays	472 000
DIQ/S 182 XT	Dual IQ/ system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 4 analog outputs (0/4-20 mA) and 5 relays	472 001
DIQ/S 182-PR	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 3 relays and PROFIBUS-DP connection	472 002
DIQ/S 182-MOD	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 3 relays and MODBUS RTU/RS 485 connection	472 003
DIQ/S 182/24V	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 2 analog outputs (0/4-20 mA) and 3 relays, for 24 V AC/DC power supply	472 010
DIQ/S 182 XT/24V	Dual IQ/ system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 4 analog outputs (0/4-20 mA) and 5 relays, for 24 V AC/DC power supply	472 011
DIQ/S 182-PR/24V	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 3 relays and PROFIBUS-DP connection, for 24 V AC/DC power supply	472 012
DIQ/S 182-MOD/24V	Dual IQ/system 182, Universal Transmitter for connection of 2 digital IQ sensors, with 3 relays and MODBUS RTU/RS 485 connection, for 24 V AC/DC power supply	472 013
DIQ/S 182 XT-4	Dual 182 XT-4 system for connecting 4 digital sensors with 5 analog outputs (0/4 - 20 mA) and max 6 relays. Delivery scope DIQ/S with DIQ/CR3	472 015
DIQ/S 182 XT-4 - PR	Dual 182 XT-4 system for the connection of 4 digital sensors with 3 relays and PROFIBUS-DP connection, delivery scope DIQ/S 182 with MIQ/JB	472 017
DIQ/S 182 XT-4 - MOD	Dual 182 XT-4 system for the connection of 4 digital sensors with 3 relays and MODBUS RTU / RS-485 connection, delivery scope DIQ/S 182 with MIQ/JB	472 019
DIQ/S 182 XT-4/24V	Dual 182 XT-4 system for the connection of 4 digital sensors with 5 analog outputs (0/4 - 20 mA) and max 6 relays for the 24 V AC/DC power supply, delivery scope DIQ/S 182/24V with DIQ/CR3	472 021
DIQ/S 182 XT-4 - PR/24V	Dual 182 XT-4 system for the connection of 4 digital sensors with 3 relays and PROFIBUS-DP connection for 24V AC/DC power supply, delivery scope DIQ/S 182 24V with MIQ/JB	472 023
DIQ/S 182 XT-4 - MOD/24V	Dual 182 XT-4 system for the connection of 4 digital sensors with 3 relay outputs and MODBUS RTU / RS 485 connection for 24 V AC/DC power supply, deliver scope DIQ/S 182/24V with MIQ/JB	472 024
DIQ Modules		Order No.
DIQ/JB	Dual IQ/Junction box for connection of a second or a further IQ sensor to the Universal Transmitter DIQ/S 182 (system 182)	472 005
DIQ/CHV	Dual IQ/Cleaning Head Valve for automatic air cleaning controlled by a relay for system 182 (relay and compressed air supply external)	472 007
MS/DIQ	Mounting plate for up to 2 DIQ modules (DIQ/CHV and DIQ/JB)	472 009
MIQ Module and Cables for System Supplement		Order No.
MIQ/Blue PS SET	Module IQ/Radio transmission, for wireless connection within the IQ SENSOR NET system, for system 182, 184 XT and 2020 XT. SET with two pairwise preconfigured modules	480 021
MIQ/VIS	Module IQ/VIS for connecting one UV/VIS probe NitraVis®/CarboVis®/NiCaVis® 700 IQ to the IQ SENSOR NET, fo system 2020 XT, 184 XT and 182	481 029
MIQ/PS	Module IQ/Power Supply, wide-range power supply for system 182, 2020 XT and 184 XT, power output max. 18 W	480 004
MIQ/24V	Module IQ/24V, power supply for 24 VAC / 24 VDC input voltage, for system 182, 2020 XT and 184 XT, power output max. 18 W	480 006
SNCIQ	Specific two-wire IQ SENSOR NET cable with shield for safe power/information transfer within the IQ SENSOR NET system. Please indicate cable length in m when ordering (unit: m)	480 046
SNCIQ/UG	Specific two-wire IQ SENSOR NET cable with shield for safe power/information transfer within the IQ SENSOR NET system, esp. for use in underground. Please indicate cable length in m when ordering (unit: m)	480 047
Mounting Material for Monitors		Order No.
SSH/IQ	Sun shield for mounting of IQ SENSOR NET modules and series 171/170 monitors to mounting stands	109 295
PMS/IQ	Kit for panel mounting of IQ SENSOR NET modules	480 048
THS/IQ	Kit for top hat rail mounting of IQ SENSOR NET modules	480 050
WMS/IQ	Kit for wall mounting of IQ SENSOR NET modules	480 052
SD/K 170	Sun shield for outdoor installation of junction boxes (e.g. junction boxes KI/pH 170) or an IQ SENSOR NET module	109 284
MR/SD 170	Mounting kit for attaching of sun shields to pipes	109 286

