

IQ SENSOR NET

Digital communication possibilities



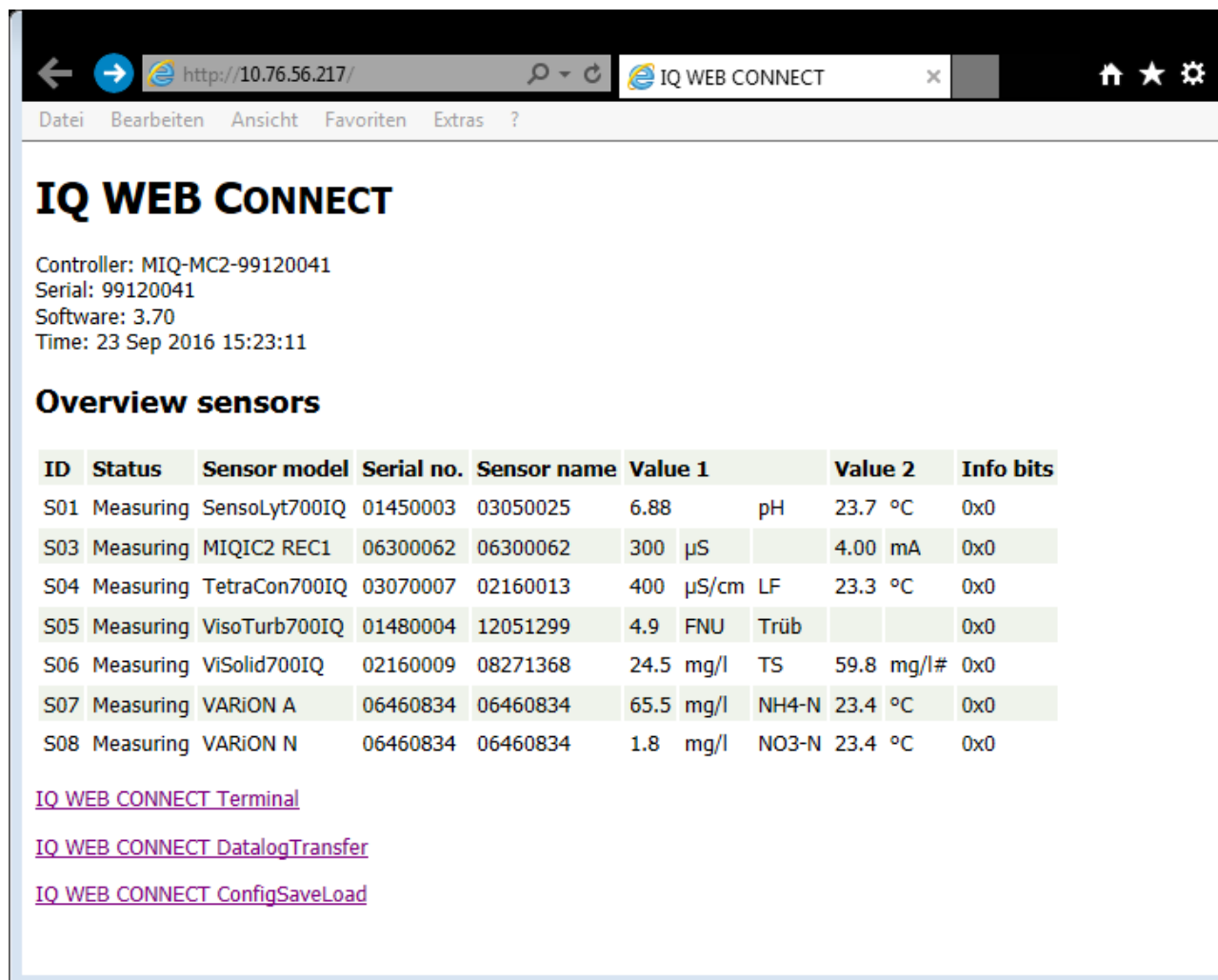
a xylem brand

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1. Network connection

1.1. IQ WEB CONNECT



IQ WEB CONNECT

Controller: MIQ-MC2-99120041
 Serial: 99120041
 Software: 3.70
 Time: 23 Sep 2016 15:23:11

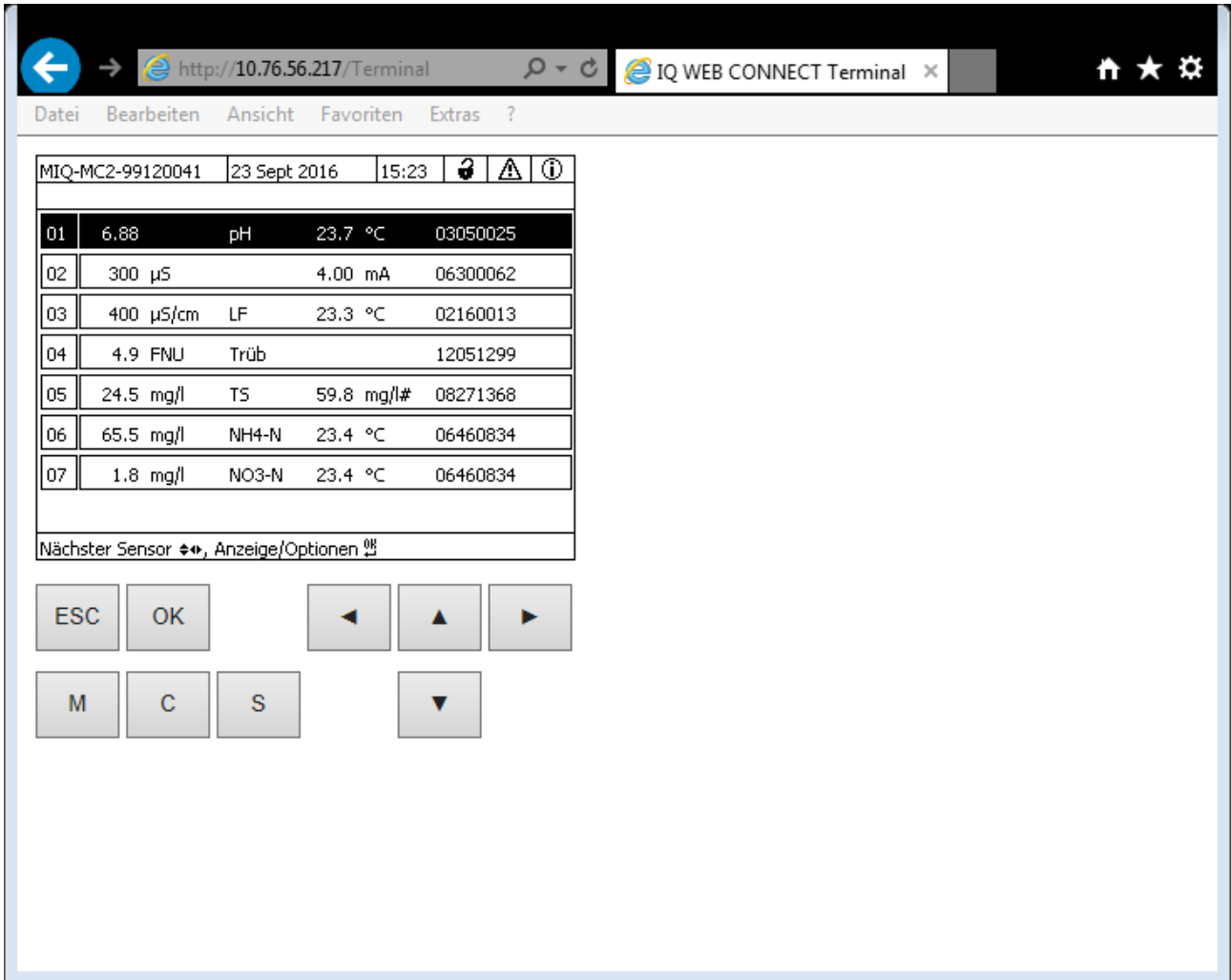
Overview sensors

ID	Status	Sensor model	Serial no.	Sensor name	Value 1	Value 2	Info bits
S01	Measuring	SensoLyt700IQ	01450003	03050025	6.88 pH	23.7 °C	0x0
S03	Measuring	MIQIC2 REC1	06300062	06300062	300 µS	4.00 mA	0x0
S04	Measuring	TetraCon700IQ	03070007	02160013	400 µS/cm LF	23.3 °C	0x0
S05	Measuring	VisoTurb700IQ	01480004	12051299	4.9 FNU Trüb		0x0
S06	Measuring	ViSolid700IQ	02160009	08271368	24.5 mg/l TS	59.8 mg/l#	0x0
S07	Measuring	VARiON A	06460834	06460834	65.5 mg/l NH4-N	23.4 °C	0x0
S08	Measuring	VARiON N	06460834	06460834	1.8 mg/l NO3-N	23.4 °C	0x0

[IQ WEB CONNECT Terminal](#)
[IQ WEB CONNECT DatalogTransfer](#)
[IQ WEB CONNECT ConfigSaveLoad](#)

The current measured values can be accessed via the commercially available web browsers by entering the IP address.

1.2. IQ WEB CONNECT Terminal



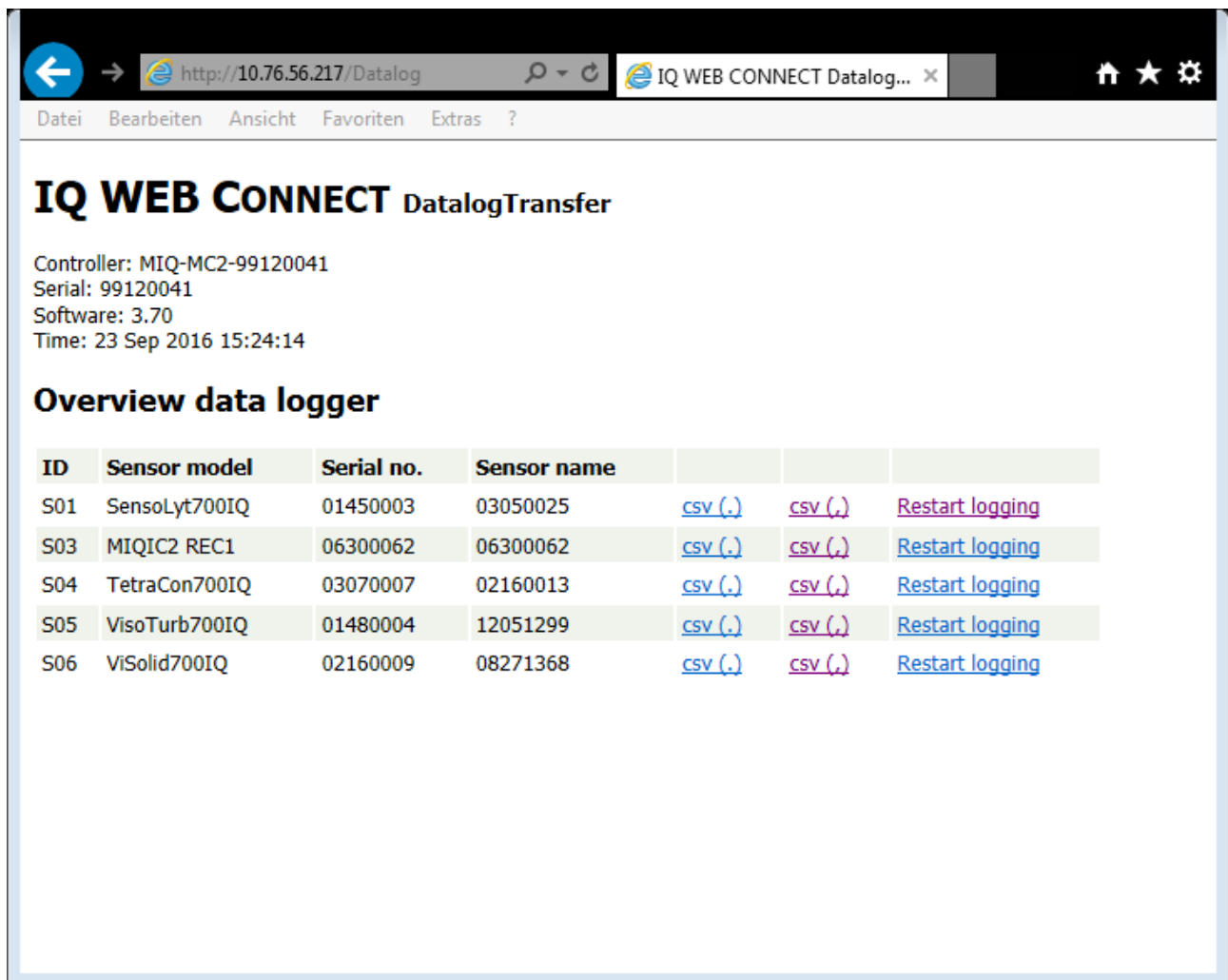
MIQ-MC2-99120041		23 Sept 2016		15:23		🔒 ⚠️ ⓘ	
01	6.88	pH	23.7 °C	03050025			
02	300 µS		4.00 mA	06300062			
03	400 µS/cm	LF	23.3 °C	02160013			
04	4.9 FNU	Trüb		12051299			
05	24.5 mg/l	TS	59.8 mg/l#	08271368			
06	65.5 mg/l	NH4-N	23.4 °C	06460834			
07	1.8 mg/l	NO3-N	23.4 °C	06460834			

Nächster Sensor ➡, Anzeige/Optionen ⚙

ESC OK ⬅ ⬆ ➡
 M C S ⬇

The unit can be operated via standard web browsers. (Password protected)

1.3. IQ WEB CONNECT Datalog Transfer



IQ WEB CONNECT DatalogTransfer

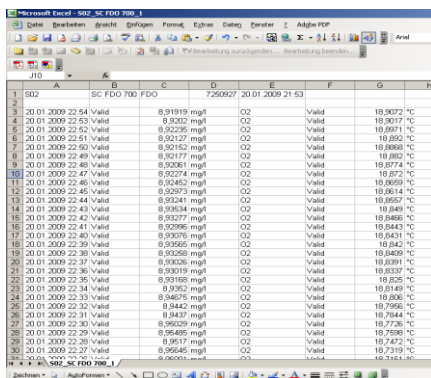
Controller: MIQ-MC2-99120041
 Serial: 99120041
 Software: 3.70
 Time: 23 Sep 2016 15:24:14

Overview data logger

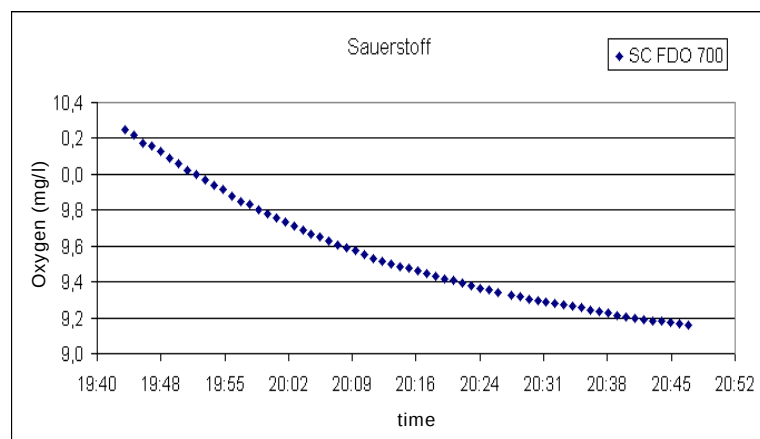
ID	Sensor model	Serial no.	Sensor name			
S01	Sensolyt700IQ	01450003	03050025	csv (.)	csv (.)	Restart logging
S03	MIQIC2 REC1	06300062	06300062	csv (.)	csv (.)	Restart logging
S04	TetraCon700IQ	03070007	02160013	csv (.)	csv (.)	Restart logging
S05	VisoTurb700IQ	01480004	12051299	csv (.)	csv (.)	Restart logging
S06	ViSolid700IQ	02160009	08271368	csv (.)	csv (.)	Restart logging

Stored measured values can be read out via standard web browsers.

Example evaluation with Excel:



Time	Oxygen (mg/l)	Temperature (°C)
20.01.2009 22:54	9.91919	19.9072
20.01.2009 22:53	9.9202	19.9017
20.01.2009 22:52	9.92235	19.8991
20.01.2009 22:51	9.92127	19.8962
20.01.2009 22:50	9.92162	19.8969
20.01.2009 22:49	9.92177	19.8962
20.01.2009 22:48	9.92081	19.8974
20.01.2009 22:47	9.92274	19.8972
20.01.2009 22:46	9.92452	19.8959
20.01.2009 22:45	9.92573	19.8914
20.01.2009 22:44	9.9241	19.8957
20.01.2009 22:43	9.92634	19.8989
20.01.2009 22:42	9.92277	19.8966
20.01.2009 22:41	9.92096	19.8943
20.01.2009 22:40	9.92076	19.8941
20.01.2009 22:39	9.92565	19.8942
20.01.2009 22:38	9.92568	19.8949
20.01.2009 22:37	9.93036	19.8991
20.01.2009 22:36	9.93219	19.8937
20.01.2009 22:35	9.93169	19.8255
20.01.2009 22:34	9.9392	19.8149
20.01.2009 22:33	9.94675	19.806
20.01.2009 22:32	9.9442	19.7999
20.01.2009 22:31	9.9437	19.7944
20.01.2009 22:30	9.95029	19.7736
20.01.2009 22:29	9.95495	19.7598
20.01.2009 22:28	9.9517	19.7472
20.01.2009 22:27	9.95446	19.7359
20.01.2009 22:26	9.95001	19.7124



1.4. IQ WEB CONNECT ConfigSaveLoad



The configuration can be read, saved, printed and written back via standard web browsers.

1.5. Automatic transfer of measured value

Excel example for data transfer:

	A	B	C	D	E	F	G	H
1	Start DataLogger (Intervall 1 min)			Stop DataLogger				
2								
3								
4	Logging stopped							
5		ViSolid700IQ	02160009	VisoTurb700IQ	01480004	AmmoLyt700IQ	04350010	TetraCon700
6	06.12.2012 12:48	13,7 mg/l		17,8 FNU		44,1 mg/l		
7	06.12.2012 12:49	13,7 mg/l		17,8 FNU				
8	06.12.2012 12:50	13,7 mg/l		17,8 FNU				
9	06.12.2012 12:51	13,7 mg/l		17,8 FNU				
10	06.12.2012 12:52	13,7 mg/l		17,8 FNU				
11								
12								
13								
14								
15								
16								

Please enter IP address of IQ Sensor Net system

OK

Abbrechen

miq-mc2-ulfran

1.6. Fieldbus connectivity

The IQ SENSOR NET provides the following options for fieldbus:

- Profibus DPV0 / Profibus DPV1
- Modbus RTU
- Modbus TCP/IP
- Ethernet IP
- Profinet