


YSI IQ SensorNet is a network of online controllers and sensors designed for process monitoring and control at wastewater treatment plants. This modular system of controllers, modules and sensors that can be customized to meet your facility's needs.

- Integrated overvoltage protection of all components (sensors, modules, cables)
- Lower cost of installation with universal sensor connection and 2 wired cables rather than multiple power and output cables
- Easy to operate and expandable - simply add a sensor to your existing network

Fields of Application and Product Overview

 ● Yes	Network System 2020		Measuring Location System 282/284	
	MIQ/TC 2020 3G	MIQ/MC3	DIQ/S 284	DIQ/S 282
Connectable Sensors	20	20	4	2
Displayable Parameters	20	20	20	20
USB Interface	✓	✓	✓	✓
Ethernet Interface	✓	✓	✓	✓
System Access via IQ Web Connect	✓	✓	✓	✓
Field Bus Connection	✓	✓	✓	✓
Data Memory	✓	✓	✓	✓
IQ Sensors with Universal Sensor Connection	✓	✓	✓	✓
MIQ Modules	✓	✓	✓	✓
DIQ Modules			✓	✓
Wireless Communication	✓	✓	✓	✓
Redundant Controller	✓	✓		
Maximum Number of Displays	3	3	1	1
Cable Length	3 km	3 km	250 m	250 m
Oxygen	●	●	●	●
pH/ORP	●	●	●	●
Conductivity	●	●	●	●
Turbidity	●	●	●	●
Suspended Solids	●	●	●	●
Nitrogen	●	●	●	●
Carbon	●	●	●	●
SAC/UVT	●	●	●	●
Phosphate	●	●	●	●
	MIQ/TC 2020 3G	MIQ/MC3	DIQ/S 284	DIQ/S 282

Systems in Detail

Module	MIQ/PS	MIQ/24V	MIQ/C6	MIQ/R6	MIQ/CR3	MIQ/IC2	MIQ/3-MOD	MIQ/3-PR	MIQ/3B	MIQ/3BR	MIQ/WL PS (SET)	MIQ/TC20203G	Terminal IQ	MIQ/MC3	MIQ/MC3-MOD	MIQ/MC3-PR	YSI Air Compressor 60140x-1	Cleaning Air Box (480017Y)	MIQ/CHV PLUS
Usable with System 2020	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Usable with System 282/284	■	■	■	■	■	■			■		■						■*	■	■
Available IQSN Connectors	3	3	2	2	2	2	2	2	4	4	3			2	2	2			2
Electrical Current (W)	**	**	3.0	1.5	3.0	0.2	3.0	3.0	0.0	0.2	0.6	3.0	3.0	2.5	3.0	3.0	***	***	2.5
Module Features																			
Power Supply																			
100 to 240 V AC	■																		
24 V AC/DC		■																	
Analog Outputs/Relays																			
6 x 0/4 to 20 mA			■																
6 x Relays				■															
3 x 0/4 to 20 mA, 3 x Relays					■														
Analog Inputs																			
2 x 0/4 to 20 mA						■													
Interfaces																			
MODBUS							■								■				
PROFIBUS								■									■		
USB							■	■				■		■	■	■			
Ethernet/LAN (Profinet, Ethernet/IP, Modbus TCP)														■	■	■			
Intra-System Connectivity																			
4 Available IQSN Connectors									■										
4 Available IQSN Connectors (including signal amplification for large distances)										■									
Radio Transmission											■								
Controller																			
Controller/Terminal (with display)												■							
Terminal (with display)													■						
Controller in Standard IQ Module (w/o display)														■	■	■			
Compensation																			
Air Pressure Compensation for DO Measurement														■	■	■			
Compressed Air Cleaning																			
High Output Air Compressor (65-85 PSI)																	■		
Standard Output Air Compressor (15 PSI)																		■	
Valve for Automatic Cleaning																			■

* Only when used with MIQ/CR3 relay module.

** Power delivery: MIQ/PS and MIQ/24V provide 18W each

*** Integrated power supply

✘ USB interface only for software updates