

MJ-WQS-485-SERIES

The MJ-WQS-485-SERIES sensor, manufactured by MJ Instruments, is designed for seamless integration with industrial controllers, microcontrollers, and PLCs, utilizing the standard Modbus 485 communication protocol. Operating at 12VDC, it is ideal for long-term water quality monitoring, especially in solar-powered systems.

MJ-WQS-485-PH (pH)

Method	Blue Glass Bulb
Ref Solution	Ag/AgCl
pH Range	0 – 14
pH Accuracy	±0.1
pH Resolution	0.01
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



MJ-WQS-485-ORP (ORP)

Method	Glass Bulb
Ref Solution	Ag/AgCl
ORP Range	-1500 – 1500mV
ORP Accuracy	±5mV
ORP Resolution	1
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



MJ-WQS-485-EC (CONDUCTIVITY)

Method	Graphite
Constant K	1.00
EC Range	0 – 5/20ms/cm
EC Accuracy	±1%
EC Resolution	0.01
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



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MJ-WQS-485-SC (SALINITY)

Method	Graphite
Constant K	5.00
SC Range	0 – 50ppt
SC Accuracy	±1%
SC Resolution	0.01
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



MJ-WQS-485-NH3 (Ammonia)

Method	ISE
Working pH Range	4 – 10 pH
NH3 Range	0 – 100mg/L
NH3 Accuracy	±2%
NH3 Resolution	0.1 mg/L
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



MJ-WQS-485-NO3 (NITRATE)

Method	ISE
NO3 Range	0 – 100/1000mg/L
NO3 Accuracy	±2% FS
NO3 Resolution	0.1/1mg/L
Temp Range	0 – 50°C
Temp Accuracy	±0.2
Temp Resolution	0.1
Max Pressure	50 Psig
Material	PVC



MJ-WQS-485-CODuv (COD)

Method	Double UV
Pathlength	254, 546nm
Range	0 – 200/300mg/L
Accuracy	±2% FS
Resolution	0.1mg/L
Max Pressure	2 Bar
Material	Stainless Steel



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MJ-WQS-485-CHLA (Chlorophyll-A)

Method	Fluorescence
Pathlength	460, 680nm
Range	0 – 500mg/L
Accuracy	±5%
Resolution	0.01mg/L
Max Pressure	6 Bar
Material	Stainless Steel



MJ-WQS-485-OG (Oil and Grease)

Method	Fluorescence
Pathlength	360, 460nm
Range	0 – 150mg/L
Accuracy	±5% FS
Resolution	0.01mg/L
Detection Limit	0.03mg/L
Max Temperature	60°C
Max Pressure	3 Bar
Material	Stainless Steel

