

# Multi-Parameter Water Quality Analyser (For Drinking Water)

## Flumsys 20MT

Flumsys 20MT online analyser is designed for network water quality monitoring, secondary water quality monitoring and agricultural water quality monitoring, integrated integration, can measure and display multiple parameters at the same time, with data storage, data transmission and other functions. The Chinese operating interface is simple to operate and allows for quick setup and calibration of the sensor. The analyser uses a high precision turbidity module with built-in antifoaming structure for more stable and accurate measurements. The residual chlorine module is available with DPD reagent colourimetric method or constant voltage electrode method to meet the different application requirements of customers

### Measurement parameters

Free chlorine  
Total chlorine  
Chlorine dioxide  
Turbidity  
pH  
ORP  
Conductivity (Salinity/TDS)  
Dissolved oxygen  
Temperature

### Applications

Waterworks  
Water supply network  
Rural drinking water  
Swimming Pool

### Features

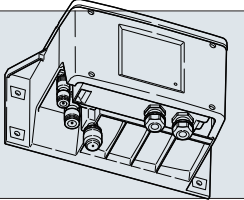
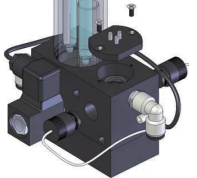



- Highly accurate turbidity measurement**  
 90° scattered light principle in accordance with ISO 7027  
 Built-in bubble elimination structure and anti-condensation function for more accurate and reliable measurements.  
 LED light source, no need to replace in 10 years. 0.0001 – 5/20/100NTU range available.
- Colourimetric measurement of residual chlorine by DPD reagent and constant voltage electrode method**  
 The DPD reagent colourimetric method is the international standard for high precision and stability measurements.  
 Constant voltage electrode method, without any reagents, no need to change diaphragms and electrolyte.
- Modular design, flexible configuration of measurement parameters**  
 7 water quality parameters including residual chlorine, turbidity, pH, ORP, conductivity, dissolved oxygen and temperature can be continuously monitored and customised as required.
- Multi-parameter integrated design**  
 Small footprint, easy to install, low maintenance, can be suitable for long unattended and stable operation.
- 7" colour touch screen, simple and easy to operate**  
 Chinese menu for quick set-up and calibration.  
 Data storage, access and USB stick export functions.
- IP65 protection class**  
 Suitable for indoor and outdoor installation in a variety of environments
- Optional wireless transmission module + cloud platform**  
 RS485 Modbus RTU communication as standard, optional WIFI/GPRS 4G wireless transmission. Mobile APP, webpage for real time data and historical data.



### Technical parameter

Power supply:	110-240VAC, 50/60Hz
Power consumption:	20W
Digital output:	RS485 Modbus RTU
Wireless transmission:	optional wireless transmission module + cloud platform
Display:	7" LCD touch screen with LED backlight display
Data storage:	Historical data can be queried, support U disk export
Storage interval:	Can be set from 1-3600s, default 10s
Dimensions:	380x740x180mm
Protection class:	IP65
Weight:	ca.15Kg
Inlet pressure:	0.5-1bar(Overpressure recommended with pressure reducing valve)
Flow Rate:	300-500ml/min
Ambient temperature:	0-50°C
Temperature of watersample:	0-40°C
Water inlet/outlet connection:	6mm/10mm hose

## Measurement range

Turbidity	Measurement principle: 90°scattered light Measurement range: 0-5/10/100NTU Resolution: 0.0001/0.001/0.01NTU, Depend on the measuring range Accurate: ±2%of reading for <40 NTU, ±5%of reading Response time: ≤30s	
Residual Total chlorine	Measurement principle: DPD reagent colourimetric method Measurement range: 0-5.00mg/L Resolution: 0.01mg/L Accurate: ±1%f.s. Response time: ≤2.5min	
Free Chlorine Chlorine Dioxide	Measurement principle: constant voltage method Measurement range: 0-2.000/0-20.00mg/L Resolution: 0.001mg/L Accurate: ±2%f.s. Response time: ≤30s	
pH/ORP	Measurement principle: Glass Electrode Measurement range: 0-14pH, -2000-2000mV Resolution: 0.01pH, 1mV Accurate: ±0.01pH, ±1mV Response time: ≤30s	
Conductivity TDS/Salinity	Measurement principle: Two-stage conductivity/Four-stage conductivity Measurement range: 0-10000uS/cm, 0-200mS/cm Resolution: 0.01uS/cm Accurate: ±1%f.s. Response time: ≤30s	
Dissolved Oxygen	Measurement principle: Four-stage conductivity Measurement range: 0-20.00mg/L Resolution: 0.01mg/L Accurate: ±0.1mg/L Response time: ≤30s	
Temp	Measurement principle: Thermistor Method Measurement range: -5-100°C Resolution: 0.1°C Accurate: ±0.2°C Response time: ≤30s	

\*Digital Water Quality Sensors Technical Data Consult JENSPRIMA Inc.

## Order Guide

Item No.	Measurement Parameters	Additional Parameters	Signal Transfer
Flumsys 20MT — <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Four parameters:	turbidity, residual chlorine (DPD colourimetric method), pH, temperature	0 NO 1 Two-stage conductivity	0 NO 1 Dissolved Oxygen
	Four parameters: turbidity, residual chlorine (electrode method), pH, temperature	2 Four-stage conductivity	
	Other customised		