

SUNTECH ENGINEERING Co., Ltd.

Our Business Focus

Environmental Process Instruments

- Water Quality Analyzers

Systems Integration

- Integrated Remote Monitoring & Control Systems
- Process Control and Monitoring Systems
- Automatic Control Panels
- Process Control Stations

Company Brief

Water is a valuable & limited resource and essential to life. Securing and providing clean water is a basic requirement in modern human society. SUNTECH ENGINEERING has developed proprietary technology for the protection of water resources and processes. Since its establishment 2004, we have achieved a great deal through constant innovations. Our Aqua2000 series of water quality analyzers offers the ability to monitor single parameters like Turbidity, Chlorine Residual, Conductivity and pH, to multi-parameter (all-in-one) platforms like the Aqua2000-5x and Aqua2000-i5. The instruments are designed to be simple to use and capable of performing optimally in the all of the industry's environments. Suntech is the leading brand for water quality instruments in Korea and is quickly gaining recognition in many countries around the world.

Certificates and Patents



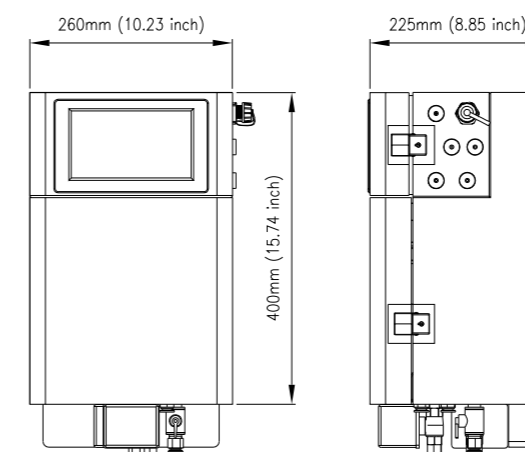
Multi-parameter Water Quality Analyzer

Aqua2000-5x

The multi-parameter water quality analyzer **Aqua2000-5x** measures automatically, and consistently in real time, Turbidity, Residual Chlorine, pH, Electric Conductivity and Water Temperature as well as flow rate all at the same time. The optimized sample flow system enables us to provide accurate and stable water quality measurement data even under the most challenging conditions.



Dimensions



Special Features

- All-in-one system measuring 5 parameters: Turbidity, pH, Free Chlorine, Conductivity and Temperature
- Only one sample of 200-700 ml/min needed
- Fast Response Time, Less than 1 Minute
- Intelligent Operation: Auto/Remote Diagnostics & Sensor Flush
- Small Footprint
- Simple & Reliable

Main Application

- Waterworks Treatment and Distribution
- Wastewater Tertiary Discharge
- Industrial Water

Product Specification

Controller System Performance	
Enclosure	NEMA 4X (IP65), Wall-mount
Display	7" TFT Color Touch LCD
Sensor Connections	Single Flow Cell for All Sensors
Parameters	Turbidity, Free Chlorine, pH, Conductivity & Temperature
Power	110/220 VAC, 50/60 Hz
Outputs	6 x 4-20 mA, 4 x Relays
Communications	RS232/RS485 Modbus, USB Port, SD Card Slot
Materials of Construction	
System Enclosure	Aluminum & ABS
Sensor Flow Chamber	ABS / Waterproof (IP68), Corrosion Resistance, Chemical Resistance

Operational Environment	
Temperature Range	-5°C to 50°C (Water Temperature), -20°C to 60°C (Air Temperature)
Flux	200~700mL/min
Conductivity Sensor Measurement System Performance	
Measurement Method	AC 2-Pole Method with Temperature Compensation
Measurement Range	User Programmable 0 ~ 5000 µS/cm Range
Resolution	3 Significant Digits
Accuracy	±1 % of Reading
Reproducibility	±1%
Electrode Material	Titanium