

# SMR76 Total Phosphate (TP) Analyzer

RS485 Communication. All-in-One Compact Housing. Explosive Proof.

The Total Phosphate (TP) Analyzer detects and provides simple, reliable, cost-saving measurement data with remote monitoring, calibration, configuration and diagnostic capabilities.

## Advantages

- Choose high-quality pumps, valves, tubes and other key parts with high reliability and long product life
- Less reagent consumption, less waste liquid discharge for environmental protection and low operating cost
- Highly reliable metering technology which can accurately measure sewage and wastewater under extreme conditions
- Industry-leading embedded software and hardware technology provides stable and reliable, flexible configuration functions
- Industry-leading signal processing system with high precision and good repeatability
- Modular design, high reliability and easy maintenance
- The instrument integrates a water collection pretreatment module, which is widely adapted to various applications
- Compact size, convenient and flexible for transportation and installation

## Applications

Surface water, water treatment

## Measurement Method

The sample undergoes a chemical digestion which phosphorus compound is converted to colored complex. The measurement value depends on the concentration of the sample.

## Installation

Flow through



## Specifications

<b>General</b>	
Output Signal	RS485 (Modbus RTU protocol), 19,200 bps, 8 data bits, no parity, 1 stop bit; 4~20 mA
Data Resolution	16 bits (0.001% FS)
Surge Protection	1,500 VDC
Power	AC 220 V, 50 Hz
Protection	Polarity, Overload, Short circuit
Safety	CE, FCC
<b>Total Nitrogen</b>	
Measurement Range	0.01~2/10/50 mg/L
Accuracy	±5% in standard solution
Resolution	0.01 mg/L
Repeatability	±5% in standard solution
Operating Temperature	5~40 °C
Measuring Interval	30 min~2 hours, configurable
Calibration Interval	Typical 4 weeks
7" LCD Touch Screen Display	
Built-in Auto Calibration, Alarm and Log Functions	
4~20 mA Analog Output	
Continuous Auto Measurement After Recovery of Power Outage	
Low Reagent Alarm	
With manual, timing and other operating modes	
Support multi-point calibration	
Housing	Cast iron
Dimensions	800(H)X400(W)X330(D) mm
Weight	25 Kg (without reagent)

## Ordering Codes

### Ordering Codes

SMR76 - W -  -    - 3 -  - 1

### Measurement Range (mg/L)

0.01~2	1
0.01~10	2
0.01~50	3

### Cable Length (m)

5	005
10	010
Custom	001~999

### Cable Type

PUR

### Wire Connection

Bare Wire	0
M12 Connector	1

### Housing

Cast iron

All performances are subject to the actual performance of the products sold by the company in the market, and are only applicable to the products of the company's brand sold by the company or its designated distributors. All the above data are from the internal test of Kaifa Water Resources, and the data may be biased due to different test environments. The manufacturer reserves the right to make changes to product performance, specifications, samples or designs without notice. All information has been carefully checked for accuracy. If there is any printing omission or there may be errors in translation, the company will not be responsible for the consequences.  
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