

WMPH1001-PN industrial online PH meter is precision meter for measurement of pH value of solution. With complete functions, stable performance, simple operation and other advantages, it is an optimal instruments for industrial measurement and control of pH values. Various pH electrodes can be used with the WMPH1001 industrial online pH meter.

Applications

Continuous monitoring of pH values in

- Thermal power plants
- Chemical fertilizer production
- Metallurgy
- Environmental protection
- Pharmacy
- Biochemical engineering
- F&B and drinking water
- Wastewater and many other industries.



Features

- LCD display, high-performance CPU chip, high-precision AD conversion technology and SMT chip technology.
- Multi-parameter, temperature compensation, high precision and repeatability.
- US TI chips; 96 x 96 world-class shell; world-famous brands for 90% parts
- The current output and alarm relay adopt optoelectronic isolating technology, strong interference immunity and the capacity of long-distance transmission.
- Isolated alarming signal output, discretionary setting of upper and lower thresholds for alarming, and lagged cancellation of alarming.
- High-performance operational amplifier, low temperature drift; high stability and accuracy.

Technical Specification

Specification	
Measuring range	pH measurement: 0-14.00 pH Resolution 0.01 pH
Manual temp. compensation	0-80 °C
Automatic temp. compensation	0-100 °C
Accuracy	0.05 pH ± 0.3 °C
Stability	±0.05 pH/24hr
Input impedance	≥1×10 ¹² Ω
Output Signal	4-20mA isolated protection output, dual current output
Communication interface	RS485 (optional)
Current output load	Max 750 Ω
Control interface	ON/OFF relay output contact
Relay load	Maximum 240V 5A; Maximum 115V 10A
Relay delay	Adjustable
Insulation resistance	≥20 M
Power supply	AC 220V±22V, 50 Hz±1Hz



Dimensions	Overall: 96 (l) x 96 (w) x 110 (d) mm Holes: 92 x 92 mm
Weight	0.6 kg
Working conditions	Ambient temp: 0-60°C Relative humidity: ≤90%

Note:

Standard configuration: one secondary meter, the mounting sheath of immersed (selection), one PH electrode, three packs of standard solution

Ordering guide:

1. To inform whether the electrode provided is a dual or ternary complexity.
2. To inform the length of the electrode cable (default as 5m).
3. To inform the installation type of the electrode: flow-through, immersed, flanged or pipe-based