



## ORP-2096 Industrial Online ORP Meter



ORP-2096 Industrial Online ORP Meter is a precision meter for measurement ORP values. With complete functions, stable performance, simple operation and other advantages, they are optimal instruments for industrial measurement and control of ORP value. Various ORP electrodes can be used in ORP-2096 series of instruments.

### Technical Features

LCD display, high-performance CPU chip, high-precision AD conversion technology and SMT chip technology, multi-parameter, temperature compensation, automatic range conversion, high precision and repeatability

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

US T1 chips; 96 x 96 world-class shell; world-famous brands for 90% parts;

### Technical Indexes

1. Measuring range: -1999~ +1999mV, Resolution: 1 mV

2. Accuracy: 1mV,±0.3℃, Stability:≤3mV/24h

3. ORP standard solution: 6.86, 4.01

4. Control range: -1999~ +1999mV

5. Automatic temperature compensation: 0~100℃

6. Manual temperature compensation: 0~80℃

7. Output signal: 4-20mA isolated protection output

8. Communication interface: RS485(Optional)

9. Output control mode : ON/OFF relay output contacts

10. Relay load: Maximum 240V 5A; Maximum 115V 10A

11. Relay delay: Adjustable

12. Current output load: Max. 750Ω

13. Signal impedance input:  $\geq 1 \times 10^{12} \Omega$

14. Insulation resistance:  $\geq 20M$

15. Working voltage: 220V±22V, 50Hz±0.5Hz

16. Instrument dimension: 96(length)x96(width)x115(depth)mm, Dimension of the hole: 92x92mm

17. Working condition: ① ambient temperature: 0~60℃, Air relative humidity: ≤90%

② Except for the earth magnetic field, there is no interference of other strong magnetic field around.