



Explosion-proof rating: ExiaIICT6Ga

T2000ic two-wire explosion-proof ORP meter

The Industrial Online ORP Meter is an online water quality monitoring and control instrument equipped with a microprocessor. This device features various types of ORP electrodes and is widely used in industries such as power plants, petrochemicals, metallurgy, electronics, mining, papermaking, biotechnology fermentation, pharmaceuticals, food and beverage, environmental water treatment, aquaculture, and modern agricultural cultivation. It continuously monitors and controls the ORP (oxidation-reduction potential) and temperature values of aqueous solutions.

Instrument Features:

- **Smart Menu Operations**
- **Various automatic calibration functions**
- **Manual/Automated Temperature Compensation**
- **It is password-protected to prevent unauthorized accidental operation.**

technical parameter :

- (1) Measurement range:
 - ORP: - 1000 ~ + 1000mV;
 - temperature : -20 ~ 150.0°C;
- (2) Resolution:
 - ORP: 1mV;
 - temperature : 0.1°C;
- (3) Basic Error:
 - ORP: ±2mV;
 - temperature : ±0.3°C;
- (4) stability :
 - ORP: ≤2mV/24h;
- (5) (5) Signal Output:
 - Simulation: Two-wire system, 4–20 mA (<750 Ω);
 - Number: HART, optional feature;
- (6) Power Supply:
 - 24 VDC, power: ≤0.3 W;
- (7) Installation method: integrated or wall-mounted;
- (8) Protection rating: IP66;
- (9) Controller weight: 0.6 kg;
- (10) Instrument operating environment:
 - Environmental temperature: -10 to 60°C;
 - Relative humidity: no more than 90%;
 - There are no strong magnetic field disturbances

around it other than the Earth's magnetic field.