Portable pH/ Conductivity/DO Meter
T-705

Instrument features:

1. Multifunctional device: Built-in pH module, conductivity module, dissolved oxygen module, and redox module. Test items include: pH, mV, conductivity, resistivity, TDS, salinity, dissolved oxygen concentration, dissolved oxygen saturation, temperature, and redox potential.

2. Large 7-inch color touchscreen with an easy-to-use graphical interface and automatic screen-off. It is impact-resistant, scratch-resistant, and UV-resistant, and can be used with lab gloves for easy cleaning and maintenance. It features comprehensive test parameter information, simple operation, and intuitive results.

3. Built-in Chinese and English operating system, adjustable time setting, brightness, and temperature units.

4. pH supports 0.01pH and 0.1pH, and mV supports 0.1mV and 1mV accuracy, with selectable accuracy. Three sets of 15 buffers are built in, with automatic recognition and support for user-defined 1-3-point calibration. It automatically displays the electrode slope and status.

5. Automatic salinity compensation and automatic barometric pressure compensation are available. The dissolved oxygen electrode can simultaneously measure temperature and dissolved oxygen, supporting both timed and continuous measurements. 6. Eight international and Chinese conductivity calibration solutions are built-in, supporting any-point calibration. The instrument can switch between conductivity, TDS, salinity, and resistivity. A 1.0 constant

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electrode covers the full measurement range. For samples below 20 µS/cm, a 0.1 constant or 0.01 constant conductivity electrode is recommended.

7. Data statistics function allows users to collect, review, delete, analyze, save, and print measurement results. This complies with GMP and enables data traceability. The instrument supports self-diagnosis, firmware upgrades, power-off protection, and factory reset, meeting IP54 protection rating.

8. Fully automatic temperature compensation, manual temperature compensation, and intelligent electrode status detection.

9. A USB port supports data export. The instrument also includes a standard Bluetooth module, enabling wireless Bluetooth printing and data transfer via a PC or mobile app for convenient operation.

10. The rechargeable lithium battery offers a long life and can be charged via a mains or mobile power bank.

Host parameters:

Display: 7-inch color touchscreen
pH Display Parameters: pH, mV, temperature, time
pH Display Range: -2.00 to 20.00 pH
pH Resolution: 0.1/0.01 pH
pH Accuracy: ±0.01 pH
mV Measurement Range: -2000 to 2000 mV
mV Resolution: 0.1 mV
Calibration: Automatic 3-point calibration
Buffer: 3 built-in buffer sets with 15 buffers, automatic recognition, and user-defined 1- to 3-point calibration
Conductivity Display Parameters: Conductivity, resistivity, TDS, salinity, temperature
Measuring Range: 0.000 µS/cm to 2000 mS/cm
Resistivity: (0 to 100) MΩ·cm
TDS: (0 to 1000) g/L
Salinity: (0.00-8.00)%
Resolution: 0.001/0.01/0.1/1 µS/cm
Accuracy: ±0.5%
Dissolved oxygen display parameters: concentration, saturation, temperature
Dissolved oxygen range: (0-50.00) mg/L
Dissolved oxygen resolution: 0.1/0.01 mg/L
Dissolved oxygen accuracy: ±0.10 mg/L
Response time: 25s ≤ (25°C, 90% response)
Temperature measurement range: (0-100°C)
Temperature resolution: 0.1°C
Temperature accuracy: ±0.1°C
Salinity compensation: (0-45) ppt

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Barometric pressure compensation range: (0-200) kPa
Barometric pressure resolution: 0.1
Barometric pressure accuracy: ±2%
Stability: (±0.07 mg/L)/1h
Temperature compensation range: (0-100°C)
100°C (automatic)
Temperature resolution: 0.1°C
Data storage: 1800 data sets
Communication interfaces: USB 2.0, Bluetooth, PC connection, mobile app
Power supply: Rechargeable lithium battery
IP rating: IP54