

ED91 Multi-parameter Analyzer



GENERAL FEATURES

- LCD display screen, 3.5 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data capacity of up to 500 sets for each parameter (GLP-compliant).
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof. The portable meter is suitable for fields measurements and out door measurements.

pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB, USA.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, etc.
- Measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F⁻, Cl⁻, Br⁻, I⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺ and etc., user-defined method is supported.

Conductivity

- 1-3 points calibration with Standard Recognition.
- Settable parameters, including cell constant, temperature compensation coefficient, and TDS factor.
- Temperature compensation type (none, linear, pure water).



Assortment of accessories

Make the detection more accurate
The suitcase is optional



Easy-operate system

Multi parameters can be monitoring



Optional silicone rubber case

Provide shock absorption function to avoid falling damage

| Model | ED91 | |
|-----------------|--|--|
| Parameters | pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.) | |
| pH | Range | -2.00 to 20.00 pH |
| | Resolution | 0.1, 0.01 pH |
| | Accuracy | ± 0.01 pH |
| | Calibration Points | Up to 5 |
| | Standard Customization | Yes |
| | Standard Recognition | NIST, GB, USA and DIN buffers |
| | Slope Limit | Yes |
| mV | Range | -2000.0 to 2000.0 mV |
| | Resolution | 0.1 |
| | Accuracy | ± 0.3 mV or ± 0.1% |
| pX | Range | -2.00 to 20.00 pX |
| | Resolution | 0.1, 0.01 pX |
| | Accuracy | ± 0.01 pX |
| | Calibration Points | Up to 5 |
| ISE | Range | 1.000e-9 to 9.999e+9 |
| | Units | mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb |
| | Resolution | Up to 4 significant digits |
| | Accuracy | ± 0.5% |
| | Calibration Points | Up to 5 |
| Conductivity | Range | 0.000 µS/cm to 500 mS/cm |
| | Resolution | 0.001 µS/cm minimum, various with range selection |
| | Accuracy | ± 1.0% FS |
| | Reference Temperature | 20, 25 °C |
| | Calibration Points | Up to 3 |
| | Standard Recognition | 84 µS/cm, 1413 µS/cm, 12.88mS/cm |
| Resistivity | Range | 5.00 Ω·cm~20.00 MΩ·cm |
| | Resolution | 0.01 Ω·cm minimum |
| | Accuracy | ± 1.0% FS |
| TDS | Range | 0.00 ppm~300 ppt |
| | Resolution | 0.01 ppm minimum, various with range selection |
| | Accuracy | ± 1.0%FS |
| Salinity | Range | 0.0~80.0 ppt |
| | Resolution | 0.1ppt |
| | Accuracy | ± 2ppt |
| Temperature | Range | -5 to 110 °C, 23 to 230 °F |
| | Unit | °C, °F |
| | Resolution | 0.1 |
| | Relative Accuracy | ± 0.2 |
| Measurement | Reading Mode | Auto Read (Fast, Medium, Slow), Timed, Continuous |
| | Reading Prompts | Reading, Stable, Locked |
| | Temp. Compensation | ATC, MTC |
| Data management | Data Storage | 500 results each |
| | GLP Features | Yes |
| Inputs | pH Electrode | BNC(Q9) |
| | DO with Temp. Probe | 4-pin aviation connector |
| | Conductivity with Temp. Probe | 5-pin aviation connector |
| Outputs | USB | PC, printer |
| Display options | Backlight | Yes |
| | Auto Shutdown | 300, 600, 1200, 1800, 3600 sec., off |
| | IP Rating | IP65 |
| | Date and Time | Yes |
| General | Power | Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output |
| | Dimensions | 80 × 225 × 35 mm |
| | Weight | 400g (0.88 lb) |