

# Portable pH/ORP/Temp./Ion Meter

TS-100/TS-110/TS-130



## Features:

- 💧 Light, handy, easy-to-use, IP65 water proof & low power consumption
- 💧 Large LCD display with temperature indication
- 💧 Automatic temperature compensation with PT-1000 or NTC probe
- 💧 Auto-Read function
- 💧 Gradually continuous sample measurements average function to enhance stability
- 💧 1/2/3-point auto calibration, showing offset and slope after calibration
- 💧 Low-power consumption system allows operation up to 1000 hours

## TS-110 and TS-130 only

- 💧 Resolution 0.01pH/ 1mV or 0.001pH/0.1mV selectable
- 💧 Auto save the measurement with programmable time interval setting, min. 5 seconds
- 💧 Data-logger with memory for 500 data sets
- 💧 Built-in real time clock with programmable timer for auto power-off & data logger
- 💧 RS-232 interface for print or saved data transfer or time-interval measurement output
- 💧 Ion-selective measurement (TS-130 only)



# Portable pH/ORP/Temp./Ion Meter

## TS-100/TS-110/TS-130

### Specifications:

| Model                    |       | TS-100  | TS-110   | TS-130           |
|--------------------------|-------|---|--|------------------|
| Measuring Mode           |       | pH/ORP/Temp.  |  | pH/ORP/Temp./Ion |
| Measuring Range          | pH    | -2.00~16.00pH   | -2.00~16.00pH / -2.000~16.000pH  |                  |
|                          | ORP   | -1999~ 1999mV   | -1999~1999mV / -1999.9~1999.9mV  |                  |
|                          | Temp. | -10.0°C~110.0°C   |  |                  |
|                          | ION   | —   | 0.001~1999.9ppm (mg/l)   |                  |
| Resolution               | pH    | 0.01pH  | 0.01 / 0.001pH   |                  |
|                          | ORP   | 1mV   | 1/0.1mV  |                  |
|                          | Temp. | 0.1°C   |  |                  |
|                          | ION   | —   | 0.1/0.01/0.001ppm (mg/l)   |                  |
| Accuracy                 | pH    | ±0.01 (±1Digit)   | ±0.01/±0.005 (±1 Digit)  |                  |
|                          | ORP   | ±0.1% (± Digit)   | ±0.05% (±1 Digit)  |                  |
|                          | Temp. | ±0.2°C (±1 Digit)   |  |                  |
|                          | ION   | —   | ±0.5% (±1 Digit)   |                  |
| RS-232 interface         |       | —   | Single way transfer the data to a computer or a printer<br>Dual way by Modbus protocol |                  |
| Data logger              |       | —   | Auto/Manual, 500 sets, (measurement, temp., time, date, ID, number)                    |                  |
| Auto-Read function       |       | Yes   |  |                  |
| Auto power-off           |       | Yes (Built-in timer)  |  |                  |
| Temperature Compensation |       | Automatic with PT-1000 or NTC 30K or manual adjustment                                  |  |                  |
| Calibration              | pH    | Auto Tech./NIST or Manually Any buffer solution calibration, up to 3 points calibration |  |                  |
|                          | ION   | —   | Up to 3 points Ion calibration   |                  |
| Input impedance          |       | ≥10 <sup>12</sup> Ω   |  |                  |
| Display                  |       | 1/2" LCD display  |  |                  |
| Power Supply             |       | 4 x AA Batteries  |  |                  |
| Dimensions               |       | 184mm x 98mm x 38mm (L x W x H)   |  |                  |
| Weight                   |       | 0.35kg  |  |                  |
| Protection               |       | IP 65   |  |                  |

\*The specification and appearance of the instrument are subject to change without notice.

### Optional accessories:

pH combination electrode.  
ORP combination electrode.  
Temperature probe.  
Buffer solutions: 4.01, 7.00, 10.00.



**SUNTEX INSTRUMENTS CO., LTD.**

Web site: [www.suntex.com.tw](http://www.suntex.com.tw) E-mail: [suntex@ms1.hinet.net](mailto:suntex@ms1.hinet.net)

13F., No.31, Lane 169, Kangning St., Xizhi Dist., New Taipei City 22180, Taiwan (R.O.C.)

Tel: 886-2-2695-9688 Fax: 886-2-2695-9693

Taichung Branch: 886-4-2319-7996 Kaohsiung Branch: 886-7-334-4103