

# COMBINED BENCH TOP

## pH / ORP / TDS / Conductivity / Salinity Meter

### FEATURE

- Multi Display PH / mV or Conductivity or TDS or Salt with Temp
- Auto or Manual Range For COND., TDS & Salinity Measurement
- Collect data via RS232 by linking with a PC on Realtime Basis
- Automatic Buffer Recognition
- Maximum 5 points calibration (pH, COND, TDS) !
- Convenient to view calibration info of probe

### GENERAL SPECIFICATIONS

|                   |                                  |
|-------------------|----------------------------------|
| Display           | : LCD 40 x 105 mm                |
| Power Requirement | : Adaptor, 9 VDC <10mA           |
| Operating Temp.   | : 5 to 40°C                      |
| Operating RH      | : Up to 95% without condensation |
| Storage Temp.     | : -20 to 60°C                    |
| Storage RH        | : Up to 95% without condensation |
| Dimension         | : 217 x 168 x 58 mm (L x W x H)  |
| Weight            | : 150g (meter only)              |

Model : 86505



### SPECIFICATIONS

| Measure                           | pH                 | ORP   | Cond.  | TDS   | SALT<br>(Based on NaCl)   |
|-----------------------------------|--------------------|---|--|---|---------------------------|
| <b>Range</b>                      | 0.00 ~ 14.00 pH    | -1999 ~<br>+1999 mV   | 0 ~ 19.99 $\mu$ S<br>0 ~ 199.9 $\mu$ S<br>0 ~ 1999 $\mu$ S<br>0 ~ 19.99 mS<br>0 ~ 199.9 mS | 0 ~ 19.99ppm<br>0 ~ 199.9ppm<br>0 ~ 1999ppm<br>0 ~ 19.99ppt<br>0 ~ 199.9ppt | 0~11.38 ppt<br>0~80.0 ppt |
| <b>Resolution</b>                 | 0.01 pH            | 0.1 mV<br>(-199.9 ~<br>+199.9 mV)<br>1 mV (others)              | 0.01 $\mu$ S<br>0.1 $\mu$ S<br>1 $\mu$ S<br>0.01 mS<br>0.1 mS                              | 0.01 ppm<br>0.1 ppm<br>1 ppm<br>0.01 ppt<br>0.1 ppt                         | 0.01 ppt<br>0.1 ppt       |
| <b>Accuracy</b>                   | $\pm$ 0.02 pH      | $\pm$ 0.02 mV<br>(-199.9 ~<br>+199.9 mV)<br>$\pm$ 2 mV (Others) | $\pm$ (1% FS +digit)   | $\pm$ (1% FS +digit)  | $\pm$ (1% FS +digit)      |
| <b>ATC or MTC</b>                 | Yes                |   | Yes  | Yes   | Yes                       |
| <b>pH Slope / Offset Display</b>  | Yes                |   |  |   |                           |
| <b>Slope Alarm</b>                | Out of 75% to 115% |   |  |   |                           |
| <b>Offset Alarm</b>               | Out of $\pm$ mV    |   |  |   |                           |
| <b>Conductivity Cell Constant</b> |                    |   | 1.0  |   |                           |
| <b>TDS Conversion Factor</b>      |                    |   |  | 0.300 ~ 1.000   | Non-linear Compensation   |

**Note :** Above instrument is not been advised to use for measuring Conductivity Concentration of Less than 10 $\mu$ S"