



INSTRUCTION MANUAL

# TRI Meter

P/N:S.113.0056.0



|  |   |   |  |
|--|---|---|--|
|  |   |   |  |
| <small>The device is only suitable for use in areas, as indicated on the service manual.</small> | <small>Read these instructions before using the device.</small> | <small>Read these Safety Messages before operating.</small> | <small><b>WARNING</b><br/>Strong Magnets</small> |

# PH / TDS & TEMP-986

## SPECIFICATION

|                          |                                 |                    |
|--------------------------|---------------------------------|--------------------|
| Range                    | PH                              | 0.00 ~ 14.00       |
|                          | TDS                             | TDS: 0 ~ 19990 ppm |
| Temperature              | -50 °C ~ 70 °C (-58°F ~ 158 °F) |                    |
|                          | PH                              | 0.01 pH            |
| Resolution               | PH                              | 10 ppm             |
|                          | TDS                             | 0.1°C (0.2 °F)     |
| Temperature              | PH                              | ±0.1 pH            |
|                          | TDS                             | ±2% F.S            |
| Accuracy                 | TEMP                            | TEMP:±1°C (±2 °F)  |
|                          | Power supply                    | DC 6V              |
| Temperature compensation | 0 °C ~ 50 °C                    |                    |
| Size                     | 188mm x 35mm x 35 mm            |                    |
| Weight                   | 80g                             |                    |

## OPERATION

1. Remove the protective cap.
2. Clean the electrode with distilled water, and dry up the water attached to the electrode with filter paper.
3. Press the "Ⓟ" to switch power on.
4. Insert the instrument into the test solution, with the measuring electrode immersed in, and stir lightly.
5. Press " TDS/pH" to choose "TDS" or "pH", wait until the digital is stable, read the final value.



1. Dip pH electrode into pH 6.86 (under the temperature of 25 C) standard phosphate liquid, stir lightly.
2. Press " TDS/pH" to choose "pH", regulate the "pH7" trimmer with a screw driver until the bufer solution value corresponding to the measurement temperature is obtained.
3. Use the distilled water clean the eletrode, immerse the eletrode in pH4.01 or pH9.18 standard buffer solution. Wait about one minute, until the buffer solution value corresponding to the measurement temperature is obtained.
4. Showing value and bufer solution's pH value is within error range.



## TDS CALIBRATION

1. Press " TDS/pH" to choose "TDS" mode, then dip TDS electrode into 6440ppm standard buffer solution, shake the electrode slightly.
2. When the showing value is stable, adjust by button "TDS" until it shows 6440 ppm. Wash electrode in distilled water and dry it with filter paper.
3. Dip the device into 1382 ppm standard solution, showing value and standard solution is within error range.

In below situations, device must be recalibrated:

Electrode is placed to be new ones.

Having been used or placed for a long time after calibration.

Electrodes are very often used.

High accuracy is required.

## CAUTIONS

1. While testing, please stir electrodes, and avoid the bubbles on it. Else it will affect the result.
2. If the error is too big or TDS value is not going back to 0, dip TDS electrode into ethyl alcohol and shake for 5-10 seconds to wash the electrode.

## BATTERY INSTALL

If the screen darkens or gets fuzzy, or the error is large, batteries should be replaced. Just pull out the battery cover and replace the batteries. This device uses 4 1.5V button batteries.

Pay attention to the directions when replace the batteries.

## WARRANTY

These instruments are warranted from all defects in material and manufacturing for a period of one year from the date of purchasing. During this period, the repair or the replacement of parts is required where the damage is not due to negligence or erroneous operation by user, please return the parts to either dealer or our offices, and the repair will be free of charge.