

## SPECIFICATION FOR COMBINED PH / CONDUCTIVITY METER

Portable battery operated hand held meter capable of measuring pH, Conductivity, mV, ORP and TDS with minimum 3 ½ digit resolution and LCD Display.

### Technical Specification:

#### Measuring ranges

- |    |                                     |  |
|----|-------------------------------------|--|
| a. | <b>pH:</b>                          | 0 to 14 PH with a resolution of 0.01 pH        |
|    | Accuracy:                           | ± 0.02 pH + 2 digits                           |
| b. | <b>mV:</b>                          | -1999 to +1999 mV with a resolution of 1 mV    |
|    | Accuracy:                           | ± 0.5% + 2 digit                               |
| c. | <b>Conductivity:</b>                |  |
|    | Range 1                             | 2mS: 0.2 to 2.0mS with a resolution of 0.001mS |
|    |                                     | Accuracy: 3% of FS + 1 digit                   |
|    | Range 2                             | 20mS: 2 to 20mS with resolution of 0.01mS      |
|    |                                     | Accuracy: 3% of FS + 1 digit                   |
| d. | <b>TDS</b>                          |  |
|    | Range 1                             | 2000ppm: resolution 1ppm                       |
|    |                                     | Accuracy: 3% of FS + 1 digit                   |
|    |                                     | 20000ppm: resolution of 10ppm                  |
|    |                                     | Accuracy: 3% of FS + 1 digit.                  |
| e. | <b>Temperature:</b>                 | 0 to 100°C                                     |
| f. | <b>Temperature-</b>                 |  |
|    | <b>-compensation:</b>               | 0 to 60°C automatic                            |
| g. | <b>Sampling time:</b>               | At-least one per second                        |
| h. | <b>Operating temperature range:</b> |  |
|    |                                     | 0 to 50°C                                      |
| i. | <b>Operating humidity:</b>          |  |
|    |                                     | Less than 90% non condensing                   |
| j. | <b>Dimension:</b>                   | Not to exceed 200 X 75 X 40mm                  |
| k. | <b>Weight:</b>                      | Not to exceed 300gms                           |

**Accessories:** pH, Conductivity/TDS, ORP and temperature probe  
 Carrying case  
 Operating manual  
 Battery for initial operation  
 Factory test certificate  
 Spares supply required for one year trouble free operation

#### PLEASE NOTE:

1. The instrument offered can be better than the above specifications
2. Should have service facility in India preferably in Madras with factory trained engineers to take care of the equipment supplied and to reduce the down time.
3. The product catalogue should contain only the product offered in depth preferably highlighting the model offered.
4. Two sets of original product catalogue to be enclosed with the offer, without this offer will be rejected totally.
5. Vendor should submit the offer with detailed specification of the product offered. The offers given as “as per your specifications” will be rejected.