

# JENCO



## Advance Portable Meter

### Conductivity, Salinity, Temp.

The Jenco 3250 and 3251 microprocessor based, multi-parameter meters give you laboratory grade measurements in an easy to use, portable package:

#### Easy and Accurate Measurements

Clear LCD displays conductivity or salinity, simultaneously with temperature.

Accepts 2-wire and 4-wire conductivity cells with  $K=0.1$ ,  $K=1$  and  $K=10$  cell constants for improved flexibility and accuracy.

Auto or manual ranging of 4 conductivity ranges are available for improved usability.

Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.

Readings are automatically compensated for temperature (ATC). Meter automatically switches into manual compensation when temperature probe is not present.

Automatic lock mode and end point sensing are available to lock in stable readings.

Intuitive operation with membrane keypad with tactile and audio feedback.

Inclined back provides ideal viewing angle for benchtop use.

#### Carefree Maintenance

Watertight case is splash resistant and made with durable plastic intended for rugged use. Protective covers for connectors are included.

Electrode holder neatly stores an electrode when not in use.

#### Standard Inputs and Outputs

RS-232 computer interface with software (3250 only).

8 pin DIN connector for conductivity cell & 10k thermistor.

AC adaptor or battery power.

## Specifications

|                     | Range                | Resolution  | Accuracy           |
|---------------------|----------------------|-------------|--------------------|
| Conductivity, K=0.1 | 0.000 to 9.999 uS/cm | 0.001 uS/cm | ± 0.5 % full scale |
|                     | 10.00 to 99.99 uS/cm | 0.01 uS/cm  | ± 0.5 % full scale |
|                     | 100.0 to 999.9 uS/cm | 0.1 uS/cm   | ± 0.5 % full scale |
|                     | 1.000 to 3.000 mS/cm | 0.001 mS/cm | ± 0.5 % full scale |
| Conductivity, K=1   | 0.00 to 99.99 uS/cm  | 0.01 uS/cm  | ± 0.5 % full scale |
|                     | 100.0 to 999.9 uS/cm | 0.1 uS/cm   | ± 0.5 % full scale |
|                     | 1.000 to 9.999 mS/cm | 0.001 mS/cm | ± 0.5 % full scale |
|                     | 10.00 to 30.00 mS/cm | 0.01 mS/cm  | ± 0.5 % full scale |
| Conductivity, K=10  | 0.0 to 999.9 uS/cm   | 0.1 uS/cm   | ± 0.5 % full scale |
|                     | 1.000 to 9.999 mS/cm | 0.001 mS/cm | ± 0.5 % full scale |
|                     | 10.00 to 99.99 mS/cm | 0.01 mS/cm  | ± 0.5 % full scale |
|                     | 100.0 to 300.0 mS/cm | 0.1 mS/cm   | ± 0.5 % full scale |
| Salinity            | 0.0 to 80.0 ppt      | 0.1 ppt     | ± 1 % full scale   |
| Temp                | - 5.0 to 95.0 °C     | 0.1 °C      | ± 0.2 °C           |
|                     | 23 to 199 °F         | 0.1 °F      | ± 0.2 °F           |

## General

### Conductivity:

|                                |  |
|--------------------------------|--|
| Conductivity Reference Temp.   | 15.0 to 25.0 °C, user selectable at 0.1 °C increment |
| Conductivity Temp. Coefficient | 0.0 to 4.0 %, user selectable at 0.1 % increment     |
| Basic Cell Constant            | K=0.1, K=1.0 or K=10, user selectable                |

### Other:

|                                 |   |
|---------------------------------|---|
| Power Supply                    | 6 AAA Batteries or 115/230 V AC adapter |
| Battery Life                    | ~ 25 hours                              |
| Calibration Backup              | Yes                                     |
| Audio Feedback                  | All Touch Keys                          |
| End Point Sensing & Hold        | Yes                                     |
| LCD Character Size (Main, Temp) | 15 mm, 8.7 mm high LCD                  |
| Temp. Unit of Display           | °C or °F via internal jumper            |
| Ambient Temp. Range             | 0 to 50 °C                              |
| ATC Probe                       | Thermistor, 10k ohm                     |
| RS-232 communication            | Bate Rate 9600                          |
| Dimensions (W x D x H )         | 83 mm x 222 mm x 71 mm                  |
| Weight                          | 370 grams (Including batteries)         |

## Accessories

|          |  |
|----------|--|
| 101      | Conductivity cell w/8 pin connector, K=1.0 |
| 109      | Conductivity cell w/8 pin connector, K=0.1 |
| 107      | Conductivity cell w/8 pin connector, K=10  |
| 6007D115 | 115 V AC adapter                           |
| 6007D230 | 230 V AC adapter                           |

