

## RT-790, In-Line TDS Monitor

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Feature :

- Automatic testing or manual testing
- Easy connected to most of reverse osmosis water filters



### 1. General description

The RT-790 is an in-line and low cost testing device to monitor the quality of pure water which is generated by reverse osmosis water filters. It measures the conductivity of water and convert it to be TDS reading. The measured TDS reading is compared to the pre-setting TDS value.

Once the measured TDS value is over monitored TDS value, the RT-790 generates audible alert to notify user.

### 2. Operating guide

#### 2.1 Install Batteries

Slide off the cover case of the battery room, and put into 2 AA batteries. Then slide the cover case back.

#### 2.2 Connecting Fitting

Cut off the outlet tube (between tank of the reverse osmosis water filter and faucet).

Insert the tube into the quick fitting

#### 2.3 Program monitoring TDS value

Keep pressing "DISPLAY" button, then press "RESET" button. The RT-790 gets into programming procedure. The value blinks on screen. Press "DISPLAY" button to choose right value, then press "RESET" to store the setting. The value sequence is 5 – 10 – 15 .... 200 – OFF – 5 - ....

#### 2.4 Automatic testing mode, testing TDS every hours.

If TDS value tested is lower than setting value, it displays the value tested on screen.

If TDS value tested is higher than setting value, the measured TDS value is blinked. The RT-790 enters into alert status and stop testing when the measured value is over the setting value for continue three times.

#### 2.5 Turn off Automatic testing mode

Keep pressing “RESET” button for 4 seconds will turn off the “Automatic testing mode”, and return to “Manual testing mode”.

#### 2.6 Manual testing mode

Pressing “DISPLAY” button to test. If TDS value tested is lower than setting value, the value tested shows on screen., and then returns to automatic testing mode. If TDS value tested is higher than setting value. The measured TDS value blinked.

#### 2.7 Alert

RT-790 generate 5 times of “beep-beep” sound every 15 minutes, and generates 15 times of “beep-beep” sound every hour.

#### 2.8 Reset

In alert status, pressing the “DISLAY” button will release the alert status, and enter into “Automatic testing mode” again.

The probe needs to be cleaned in certain period to keep testing accurate.

### 3. Specification :

- . Range : 0 – 999 ppm
- . Program range : 5 – 200 ppm
- . Accuracy : +/- 2%
- . Fittings : 1/4” standard
- . Power : 9V alkaline battery
- . Dimension : 70mm(L) x 55m(W) x 33mm(D)
- . Weight : 80 g
- . Cable length : 45 cm