

# The Specification of the BT-058L-88, 1" Bluetooth Flow Meter

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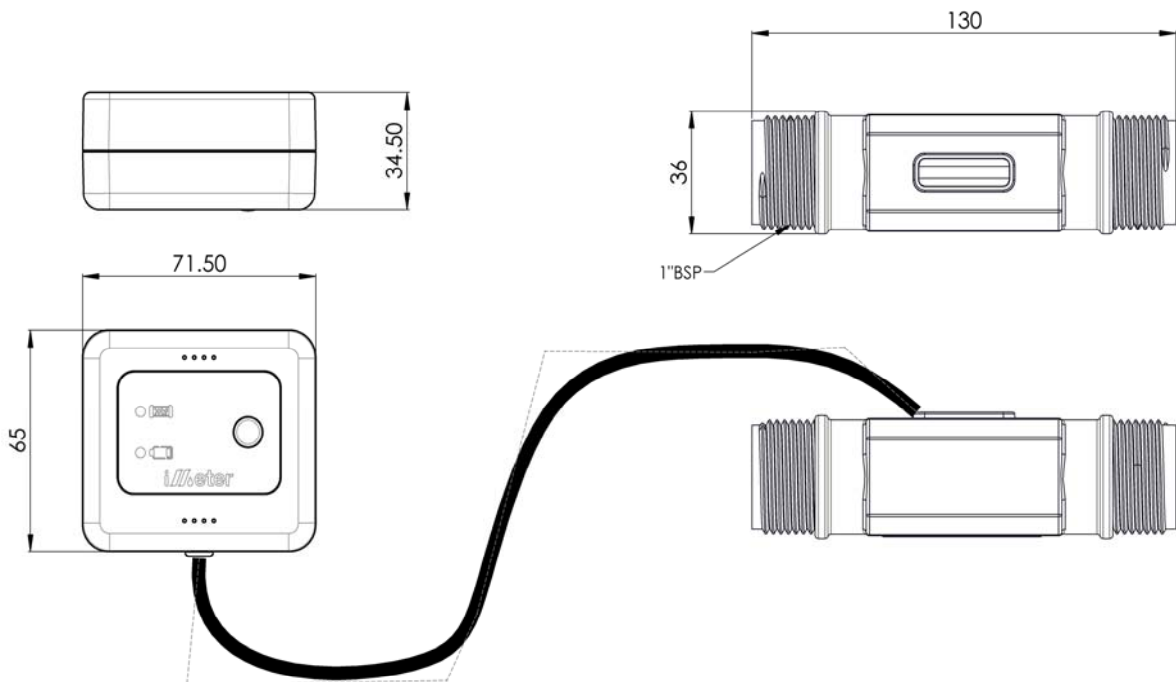
## 1.0 Features

The BT-058L-88 Flow Meter is a flow meter with wireless transmission capability to transmit the flow meter information to the specific application software on smart phones.

- . Filter cartridge life monitored, pre-programmed capacity from 1 to 1,000,000 liters
- . Two LED indicating filter and battery status
- . End of filter life alarm
- . Easy capacity reading by iMeter APP on smart phone.
- . The iMeter APP is freely downloaded in Apple Store and Android Play.
- . The iMeter APP automatically send capacity data to Cloud management system via internet
- . Powered by two AA alkaline batteries. Battery life lasts more than one year for residential application.
- . Low battery power alarm



## 2.0 Product Dimension



### 3.0 Application

Installation Method : Vertical or Horizontal

Flow Direction : One way

Flow Rate : 3 - 100 liter/min

### 4.0 General

Wireless communication : Proprietary 2.4-GHz Systems in TX mode

Operating voltage : 2.3 – 3 VDC

Operating current : < 40 mA

Temperature : 0 to 80°C

Pressure : Max. 8 bar

Weight : 190 g

Accuracy : +/- 10 %

Connection : 1" BSP male (NPT male is option)

Cable length : 150 cm

Materials : Sensor Body : PA66 with 50% glass fiber

Turbine holder : PA66 with 50% glass fiber

Turbine : PA compound

Stick of Turbine : #304 Stainless Steel

Control unit case : ABS resin

### 5.0 Installation

#### 5.1 Connecting the flow sensor

Choose the right adapters to connect the flow sensor with the pipe or tube of the water filter system, water dispenser... The maximum water pressure for the flow sensors is 8 bar.

#### 5.2 Installing batteries

Take over the battery room cover on the back of the control unit of the BT-058L-88 Flow Meter. Install two AA alkaline batteries and put back the cover. The control unit will generate a long beep sound to indicate the batteries are well installed.

#### 5.3 Locating the Control Unit

It is suggested to put the control unit of the BT-058L-88 Flow Meter on the location where the smart phone could easily to connect by wireless communication. If it's installed under the water sink, It's better to use the bracket to stick on the door, and have the control units to be fitted into the bracket. For other place, it's better to not have anything shading the control unit.

### 4.0 Operating

The capacity of the BT-058L-88 Flow Meter is pre-programmed. The capacity is listed on the label of the back of the control unit. The blue light of the control unit blinks and capacity counts down when there is

water flowing through the flow sensor of the BT-058L-88 Flow Meter.

The red light blinks and alarm generated if the remain capacity reaches to zero.

## 5 Resetting

Keep pressing button for five seconds will reset the capacity from zero to the original set volume.

## 6.0 Low Battery Power Alert

The yellow light blinks and alarm generated when the battery is low. The alert will be terminated when the batteries are replaced with new alkaline batteries.