

## Specifications

TDS/EC Range: 0-5000 ppm (10,000  $\mu$ S)  
Max. Set Point: 50 ppm (100  $\mu$ S)  
Accuracy: +/- 3%  
ATC: None  
Cable Length: 24.5" (including sensor)  
Power Source: 4x1.5V button cell batteries (size: 389-A)  
Battery Life: Approx. one year  
Dimensions: 7.6 x 2 x 4.7 cm (3 x 0.8 x 1.9 in)  
Weight: 39.7 g (1.4 oz) (not including sensor)

## Care and Calibration

Very little care is necessary for your QC-1.

- Never touch the sensor pins, as skin oils may adversely affect the TDS measurement.
- To clean the sensor pins, clean with rubbing alcohol and let air dry.
- The QC-1 has been factory calibrated to 50 ppm (NaCl). Re-calibration is unnecessary.

## Warranty

The QC-1 is factory warranted for one (1) year from date of purchase. Fittings are not covered under the warranty. For the complete warranty, please see [www.tdsmeter.com/warranty](http://www.tdsmeter.com/warranty).

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# QUICK CHECK TDS/Conductivity Monitor



## Model QC-1

The Quick Check TDS/Conductivity Monitor (QC-1) is a simple and effective device to monitor the effectiveness of a water purification or filtration system.

With a push of a button, the QC-1 will illuminate a green or red light, informing the user if the water quality is "good" or requires "service," respectively.

## Instructions

### Usage

1. Press the "Push to Check" button.
  - If the **green** light illuminates, the TDS level is **below** the set point, indicating the water quality is good.
  - If the **red** light illuminates, the TDS level is **above** the set point, indicating service may be required. Please contact the system manufacturer for any further action.
2. Do not press the button for longer than 5 seconds to prevent unnecessary battery consumption.

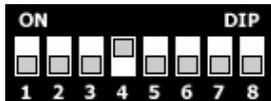
### Set Point

The default setting of the QC-1 is 25 ppm NaCl (50  $\mu$ S). To change the set point:

1. Disconnect the sensor by lightly pulling on the connector. Do not tug on the wires.
2. Open the back panel with a screwdriver.
3. Adjust the dip switches to the desired TDS/ $\mu$ S value:

SET POINT	1	2	3	4	5	6	7	8
as NaCl	50	37	25	15	10	5	2	1
as "442"	67	50	33	20	13	7	3	1
as $\mu$ S	100	74	50	30	20	10	4	2

Only the dip switch for the desired setting should be in the up position. The other switches should be in the down position. For example, this illustration shows the unit in setting 4:



4. Close the back panel and replace the screws.
5. Reattach the sensor by carefully inserting the connector.

### Installation

To install the QC-1 with a water purification or filtration system:

1. Ensure the white sensor is fully inserted into the T-fitting.
2. Orient the sensor pins so that they are perpendicular to the direction of the T. (You should be able to see both pins if you look through the fitting.)
3. Disconnect the water source.
4. Snip the product (filtered) water tube at a point between the filter and a dispenser.
5. Insert the two snipped ends of the water tube into the T-fitting.
6. The QC-1 can be attached anywhere on or near the water system using the Velcro tape.
7. Reconnect the water source.

### Changing the Batteries

1. Open the back panel with a screwdriver.
2. Remove the batteries.
3. Replace with new batteries (size 389-A). Ensure the polarity is correct.
4. Close the back panel and replace the screws.

**Please contact the manufacturer of your water system for recommended maximum TDS levels.**

### What is TDS?

Total Dissolved Solids (TDS) are the total amount of inorganic elements, including minerals, salts or metals, dissolved in a given volume of water, other than the pure water molecules ( $H_2O$ ) and suspended solids. TDS is expressed in parts per million (ppm). TDS affects everything that consumes, lives in or uses water. For people, a lower TDS level in drinking water is preferred.

For additional information on TDS, please visit HM Digital's website at [www.tdsmeter.com](http://www.tdsmeter.com).

