Special attention:

It is not suitable for application medical industries, electron trade, electric power, proposed use stainless steel or titanium electrodes.

ROC®

CCT-3320T
Conductivity (TDS) Monitor

Operation Manual

a. Distinguish the failure source which comes from meter or electrode

Firstly, remove the white wire from the wire terminal and check the conductivity reading, if the reading is 0 and stable, the meter is good. The problem can be initially identified from the electrode installation.

b. Sensor installation question failure judgment.

Remove the electrode from the fittings, and then use the electrode to test the water quality (user already know the conductivity reading of the water before test) . If the reading is correct, so the installation is correct. If the reading with error, so the electrode failure.

七、Maintenance

1、Electrode is a kind of precision components, so please do not change any part of the electrode. The accuracy will be incorrect if the electrode was destroyed by the strong acid, strong alkali, scrape from machine and etc.。

2、Please keep the measuring part of electrode clean, and do not directly contact the surface by hands or contact with the oil stain objects。

3、The meter is made by precision integrated circuit and electronic components, so it needs to place in case or dry environment.

Warranty:

1. The meter's quality guarantee is one year from the date of purchasing. During this period, if the meter has quality problems, manufacturer is responsible for maintenance work for free or changes it.

2. Manufacturer offers the maintenance service for whole life of the sold meters

3. If the damage of the meter is caused by the following reasons, it is out of the maintenance service:：

A、The meter is burned or foundered caused by improper usage and maintenance；

B、The meter is refitted or misused without permit；

C、The meter is destroyed under the condition out of company's regulation；

D、The relevant damage caused by choosing the wrong type；E、The cable damage and rupture caused by improper installation and usage；

F、The incorrect measurement of the sensor caused by disconnecting or connecting wires personally；

G、The inner broken wire caused by indiscreetly disassembling。

Without the influence on the operation, Any small change or improvement on the products by the manufacturer will mot be notified separately. Please make the object as the standard.

一、 Technical features:

Measurement range: conductivity type:

(0.5～199.9) μS/cm; 0.100 cm^{-1}

(1.0～1999) μS/cm 1.000 cm^{-1}

(0.05～9.99) mS/cm 5.000 cm^{-1}

Accuracy: 1.5 %(FS)

Temp. measurement range: 0～50℃ (NTC10K)

Accuracy: ≤±0.8℃

Temp. compensation : with 25℃ as standard

Manual and automatic temperature compensation:

$3\frac{1}{2}$ level LCD.

(4～20)mA output: Isolated、reversible、fully adjustable

Accuracy: ≤±0.1mA

Power supply: AC 220V±10% 50/60Hz

Power consumption: ≤2.5W

(1) Temp.0～50℃ (2) Humidity:≤85%RH

Dimension: (48×96×80) mm (H×W×D)

Hole size: (44×92) mm (H×W) (Panel mounted)

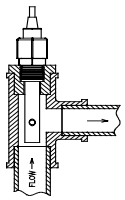
Conductivity cell constant:

Medium temp.: (5～50)℃

Thread size: 1/2″pipe thread

Medium pressure: 0～0.5MPa

Cable length: 5mor _____m for selection



Correct installation (2), Ensure that the conductivity small hole is in the water windows。

Note:

(1) The electrode should be installed in a place in the pipeline where the stream is steady and air bubbles are hard to generate.。

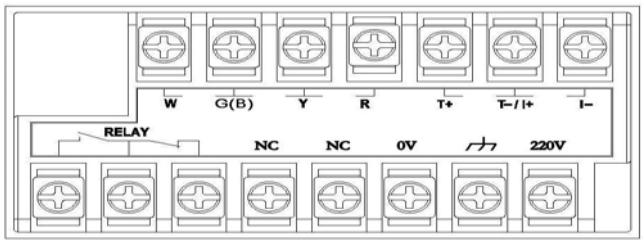
(2) No matter the conductance cell is horizontally or vertically installed, it should be deeply inserted into the moving water。

(3) The conductivity signal is weak electronic signal and its collecting cable should be separately installed. When threading cable joint or connecting terminal board is used, to avoid wetting interference or breakdown of measurement unit circuit, they should not be connected to the same group of cable joint or terminal board with the power line or control line.。(4) When the measurement cable needs to be lengthened, it's recommended to make an agreement with the factory before placing an order.。

四、key functions Introduction

Key sign	Name	Function
»	select key	1.parameter setting to select thousand,hundred, ten and unit in circulate 2.radix point position setting 3.Measurement switch to display conductivity/TDS
^	Add key	1. Adjust the value under setting status. 2. Check the temperature/mA/ conductivity (TDS) reading under measurement status.。
↵	Enter key	1.Enter parameter setting under main menu 2.Save the parameters and enter next menu。

二、Outline Dimension and Rear Terminals



W: White line ; G/B: Green line;

Y: Yellow line; R: Red line;

I+/I-: Instrument mode, power from instrument's internal;

T+/T-: Transmitter mode, power from conditioning modules;⏚

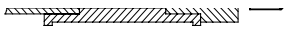
0V/220V: AC supply: AC 220Vswitch-in; electromagnetic compatibility on field protection terminal(connected with ground);

RELAY NC: empty terminal (no internal connection);

三、Electrical Connection:

Please follow the correct installation method to install the electrode strictly. The incorrect installation will cause the reading error.:

Correct installation(1), Ensure the stretching length is enough.



五、Introduction of operation menu:

Under main measuring menu, pressin↵ for three seconds and enter setting menu automatically

Order Setting	Menu name	Introduction for function
1	Conductivity cell constant	The sign "C="blink on display screen, operating selec tkey ar key to input the needed electrode constant value, pressing ent to save and enter next parameter setting
2	radix point setting	The radix point sign on display screen blink, press select key radix point position; press enter key to save and enter parameter setting。
3	Measurement unit setting	The sign "Unit" blink on display screen, press add key to measurement unit (ppm , ppt, μS/cm or mS/cm), press ent to save and enter next parameter setting
4	4mA transfer setting	The sign " 4mA"blink on display screen, press select key ar key to input the 4mA transferable value and press enter key t and set the radix point. press enter key to save and ente parameter setting.
5	20mA transferv setting	The sign " 20mA"blink, setting the data according to 20m press enter key to set the radix transferable value, press ent enter the next parameter setting.

六、Failure judgment:

When the reading is incorrect or unstable, please check the meter and electrode：