

Conductivity Monitor CCT-3320V Operation Manual

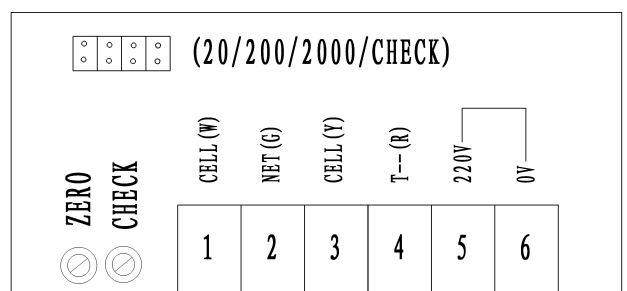
Notice before operation:

1. Carefully read the relevant parts of this manual before installation and operation to prevent wrong operation, measurement error and damage of instrument.
2. This instrument is for electric chemical measurement, and its installation and operation should be performed by technicians with relevant professional knowledge.

I .Main technical specifications

Measurement range:	(0~20) (0~200) (0~2000) us/cm for selection
Accuracy	1.5% (FS)
Stability	$\pm 2 \times 10^{-3}$ (FS) / 24h
Auxiliary electrode	Plastic structure; NOTE: constant: 1.0cm ⁻¹ (Please choose sanitary grade sensor for Medicine, food, beverage field,etc. And advanced meter is recommended for these fields.)
Temp.compensation component	NTC 10K
Medium temperature	(5~50)°C
Thread dimension	1/2" pipe thread
Medium pressure	(0~0.5)Mpa
Cable length	5m or other agreement (≤ 30 m)
Temperature compensation	Automatic compensation, with 25°C as the reference temperature
Display	3.5-bit LCD
4-20mA	No this function..
Power supply	AC 220V $\pm 10\%$ 50Hz
Power consumption	≤ 1 W
Environment conditions	(1) Temperature: (0~50)°C ; Humidity: $\leq 85\%$ RH
Dimensions	48 × 96 × 100mm (height × width × depth)
Slot dimensions for installation	45 × 91mm (height × width)

II .Wiring diagram on rear panel



Wiring instruction

- (1) Connect white wire to CELL (W)

- (2) Connect green wire to NET (G)
- (3) Connect yellow wire to CELL (Y)
- (4) Connect red wire to T (R)
- (5) / (6) AC 220V power input ($\pm 10\%$)

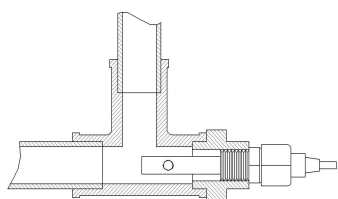
ZERO: zero adjusting knob

CHECK –electrode constant adjustment knob

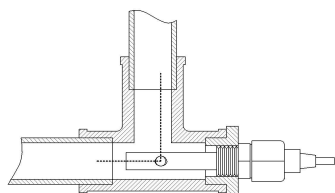
NOTE: Move the short circuit jumper to CHECK and adjust the CHECK until the displayed value is actual conductivity value.

III. Conductivity cell installation

To ensure the real measurement result, data distortion caused by air bubble or dead water in conductivity cell should be avoided. The installation should be performed strictly according to the following drawing:



The water through the cell is static by using improper connection type.



The water can through the hole the cell and the measurement data is valid.

IV. Correct setting

When the installation is finished, powered for the meter and make the following operations:

(1) Constant check

Move the short circuit jumper to the CHECK position, the data displayed on the screen is the electrode constant; if it is not consistent with the specified electrode constant, adjust the knob (CHECK) at lower left to make it so.

For example: if the electrode constant $C=1.059\text{cm}^{-1}$, adjust the CHECK knob to make the instrument display 1.059.

(2) Range switch over

Range switch over can be achieved by moving the short circuit jumper to different range levels. Please select appropriate range to attain the best resolution. A too large range will lead to lower read accuracy.