

CM-230 (330) X Series Intelligent Conductivity Meter

Performance features

CM-230(330)X series intelligent on-line conductivity meter, it is the upgrade substitute meter of CM230、CM-230SX、330、240、340.

It has keyboard setting electrode constant, high、low limit alarm, transferable 4~20mA current signal output, checking the media temperature、 $\mu\text{S}/\text{cm}$ and ppm (TDS) conversion through



the switching keys, automatic range conversion, three types of constant to be chosen (0.1cm^{-1} 、 1.0cm^{-1} 、 10.0cm^{-1}), larger measurement range.

It has ultra steady measurement collecting, large temperature range、low excursion design, can switch conductivity/temperature/TDS under the measurement condition, can give an alarm when the water quality is over standard, high brightness back-light LCD display.

It is used for on-line monitoring and controlling of reverse osmosis、electrodialysis、ion exchange producing water system、cooling water control system and industrial water..

Model and performance function:

| Function/model | Non-isolated 4mA signal output | Automatic measurement range | Hi-limited alarm setting | Hi/Lo limited alarm setting | Units of the measurement | Probe Constant |
|----------------|--------------------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|----------------|
| CM-230A | ● | ● | | | ● | ● |
| CM-230C | | ● | ● | | ● | ● |
| CM-230D | | ● | ● | ● | ● | ● |
| CM-330C | | ● | ● | | ● | ● |

Main technical specification:

Measurement range :

Conductivity: 0~19.99 0~199.9 $\mu\text{S}/\text{cm}$ (0.1cm^{-1} electrode)

0~19.99 0~199.9、0~1999 $\mu\text{S}/\text{cm}$ (1.0cm^{-1} electrode)

0~199.9 $\mu\text{S}/\text{cm}$ 0~1999 $\mu\text{S}/\text{cm}$ 0~19.99mS/cm (10cm^{-1} electrode)

Temperature: 0-50 $^{\circ}\text{C}$

Auxiliary electrode:

1.00 cm^{-1} plastic platinum gold electrode, 1/2" (1/2 inch) pipe screw connection;

1.00 cm^{-1} stainless steel electrode, 1/2" (1/2 inch) pipe screw connection;



10.0 cm⁻¹ Teflon platinum electrode, 3/4" (3/4 inch) pipe screw connection;

The length of the cable: 5m as ex work standard figure or according to the user's specification;

Medium pressure: 0~0.5MPa;

Medium temperature: 0~50°C;

Component of temperature compensation: NTC;

Display mode: conductivity:3.5-bits LCD Digit display, temperature: 3- bits Digit display;

Accuracy: 1.5%(FS)

Stability: $\pm 2 \times 10^{-3}$ (FS) /24h;

Temperature compensation: Digit calculating compensation, with 25 °C as the reference temperature;

Output signal : non- isolated, transferable 4~20mAcurrent;

Maximum load impedance :300Ω Max@ DC 9V ;

Relay load capacity: AC 230V/5A Max (without electromagnetic induction);

Output control model: ON/OFF two contacts relay output;

Power supply : AC 220V \pm 10%, 50Hz;

Power consumption: 2W

Environment conditions: Temperature: 0~50°C; Humidity: \leq 85%RH;

Outline dimension: 48×96×100mm(height×width×depth)

Slot dimension for installation: 45×91mm(height×width)

Installation: Jam-in

