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、μS/cm and ppm (TDS)conversion through the switching keys，automatic range conversion，three types of constant to be chosen（0.1cm^{-1}、1.0 cm^{-1}、10.0 cm^{-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 0~199.9μS/cm (0.1cm-1 electrode)

0~19.99 0~199.9、0~1999μS/cm (1.0 cm-1 electrode)

0~199.9μS/cm 0~1999μS/cm 0~19.99mS/cm (10cm-1 electrode)

Temperature: 0-50℃

Auxiliary electrode：

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

1.00cm^{-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℃；

Component of temperature compensation：NTC；

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

Accuracy：1.5%(FS)

Stability：±2×10^{-3}（FS）/24h；

Temperature compensation：Digit calculating compensation， with 25℃ 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±10%，50Hz；

Power consumption：2W

Environment conditions：Temperature：0～50℃； Humidity：≤85%RH；

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

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

Installation: Jam-in