

# Compact Conductivity Meter CM-305



## Description

Compact Conductivity Meter CM-305 design to meet the most demanding and robust compliance requirements. Can measure different parameters; TDS, conductivity, DO, pH or pX, temperature, salinity, ORP automatic temperature.

Designed to increase productivity in the lab and in the field. Build-in sensors that are automatically identified by the instrument. The automatic temperature compensation delivers accurate reading over the entire range and manual temperature calibration to correct temperature deviation. CE Certified.

Conductivity / TDS / Salinity / Resistivity Mode: 6-point conductivity meter calibration with automatic temperature compensation ranging COND:0.0 to 100.0?; salinity: 0 to 50 g/L. Support selectable ion such as H+, Ag+, Na+, K+, Cl-, F etc. Standard configuration including platinum black conductivity electrode, DO probe and standard buffer.

pH Mode: High accuracy portable multipara meter water quality meter is equipped with a large backlit LCD display. 1 to 5 points pH calibration with auto-buffer recognition with automatic temperature compensation ranging pH: 0.0 to 100.0? Standard configuration including pH combination electrode. Selectable automatic identification of 25 kinds of buffer solutions, including DIN and NIST.

Automatic electrode slope display helps user decide whether to replace sensor.

DO Mode: With automatic temperature compensation ranging 0.0 to 40.0?. Air-saturated water and zero oxygen solution.

## Technical:

Model	CM-305	CM-310
Parameter	Conductivity/DO/pH/pX/Temperature	Concentration/Saturation/?
Display	LCD	7 inch touch screen
pH/pX Range	-2 to 20	-
pH/pX Resolution	0.01	-
pH/pX Accuracy	pH: $\pm 0.01$	-
Conductivity Range	0 $\mu$ S/cm to 199.9 mS/cm	-
Conductivity Resolution	0.001 $\mu$ S/cm	-
Conductivity Accuracy	$\pm 1.0\%$ FS	-
Resistivity Range	0.00 $\Omega$ .cm to 20.00 M $\Omega$ .cm	-
Resistivity Resolution	0.01 $\Omega$ .cm	-
Resistivity Accuracy	$\pm 1.0\%$ FS	-
Temperature Range	-5 to 105?	-5 to 130?
Temperature Resolution	0.1?	0.1?
Temperature Accuracy	$\pm 0.3?$	$\pm 0.1\%$
TDS Range	0.000 mg/L to 100 g/L	-
TDS Resolution	0.001 mg/L	-
Salinity Range	0 to 8 %	-
Salinity Resolution	0.01%	-
Salinity Accuracy	$\pm 0.2\%$	-
DO Range	0 to 19.99 mg/L	0 to 90 mg/L
DO Resolution	0.01 mg/L	0.01 mg/L
DO Accuracy	$\pm 0.30$ mg/L	$\pm 0.10$ mg/L
DO Saturation/Concentration Range	0 to 199.9 %	0 to 600 %
DO Saturation/Concentration Resolution	0.10%	0.10%
DO Saturation/Concentration Accuracy	$\pm 10.0\%$	$\pm 2.0\%$
Ion Concentration Range	0 to 19990 $\mu$ g/L,mg/L,g/L,mol/L,mmol/L	-
Salinity Compensation	-	0 to 50 g/L
Temperature Compensation	Auto, pH: 0.0 to 100.0? ; COND: 0.0 to 100.0? ; DO: 0.0 to 40.0?	-
Calibration	Offset and Full Scale	6 points p H and 5 points conductivity calibration

Ion Mode	H+,Ag+,Na+,K+,Cl-,F	-
Standard Configuration	Platinum Black Conductivity Electrode; pH Combination Electrode, DO Probe; Standard Buffer	-
Storage	200 sets	1000 data
Interface	RS232	RS232 and USB
Dimensions	250x195x100mm	280x280x130mm
Weight	1 kg	2.5 kg
Electrical Requirement	Universal power adaptor DC 9V/800mA	Universal power adaptor DC 24V/3A
Catalogue No.	7101045-04	7101050-04

<b>Shipping:</b>	2 - 3 weeks Delivery.
<b>source:</b>	-
<b>calibration:</b>	Offset and Full Scale
<b>ion_concentration_accuracy:</b>	-
<b>ion_concentration_range:</b>	-
<b>ntu_range:</b>	-
<b>sample_bottle:</b>	-
<b>sample_capacity:</b>	-
<b>do_accuracy:</b>	0.30 mg/L
<b>do_saturation_range:</b>	0 to 199.9 %
<b>do_range:</b>	0 to 19.99 mg/L
<b>conductivity_accuracy:</b>	1.0% FS
<b>conductivity_resolution:</b>	0.001 ?s/cm
<b>conductivity_range:</b>	0 ?s/cm to 199.9mS/cm
<b>temperature_compensation:</b>	Auto, pH: 0.0 to 100.0?;COND: 0.0 to 100.0?;DO: 0.0 to 40.0?
<b>mv_accuracy:</b>	-
<b>mv_resolution:</b>	-
<b>mv_range:</b>	-

ph_accuracy:	-
ph_resolution:	-
ph_range:	-
model_type:	-
temperature_range:	-5 to 105?
wavelength:	-
model:	CM-305

## **Iris Analytical Ltd.**

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