

# Portable Conductivity Meter CM-205



## Description

Portable Conductivity Meter CM-205 provides the ideal solution for measuring TDS, DO, pH, pX, temperature, Salinity, DO Saturation all these parameters. The Conductivity meter is best for observing different applications such as the number of salts or dissolved solids in water.

The readings are mechanically temperature compensated with the range of -5 to 135 $^{\circ}$ C, delivers accurate reading over the entire range and manual temperature calibration to correct temperature deviation. CE Certified. Designed to increase productivity in the lab and in the field.

Conductivity / TDS / Salinity / Resistivity Mode: 6-point conductivity meter calibration with automatic temperature compensation ranging COND:0.0 to 100.0 $\mu$ S/cm; salinity: 0 to 50 g/L. Support selectable ion such as H<sup>+</sup>, Ag<sup>+</sup>, Na<sup>+</sup>, K<sup>+</sup>, Cl<sup>-</sup>, F<sup>-</sup> 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 from pH: 0.0 to 100.0 $\mu$ S/cm Standard configuration including pH combination electrode. Selectable automatic identification of 25 kinds of buffer solutions, including DIN and NIST. The automatic electrode slope display helps users decide whether to replace the sensor.

DO Mode: With automatic temperature compensation ranging from 0.0 to 40.0 $\mu$ S/cm. Air-saturated water and zero oxygen solution.

## Technical:

Model	CM-205	CM-210	CM-215	CM-220
Parameter	Cond/ DO/pH/pX/DO/ TDS/ Salinity/ DO Saturation			
Display	TFT Touch screen	Backlit LCD		
pH/pX Range	-2 to 19.999			-
pH/pX Resolution	0.001			-
pH/pX Accuracy	$\pm$ 0.002			-
Conductivity Range	0 $\mu$ S/cm to 199.9 $\mu$ S/cm			0 $\mu$ S/cm to 199.9 $\mu$ S/cm
Conductivity Resolution	-			
Conductivity Accuracy	$\pm$ 0.5% FS			$\pm$ 0.5% FS
Resistivity Range	0 $\Omega$ -cm to 20 M $\Omega$ -cm			0 $\Omega$ -cm to 20 M $\Omega$ -cm
Resistivity Accuracy	$\pm$ 0.5% FS			$\pm$ 0.5% FS
Temperature Range	-5 to 135 $^{\circ}$ C			
Temperature Resolution	0.1 $^{\circ}$ C			
Temperature Accuracy	$\pm$ 0.3 $^{\circ}$ C			
TDS Range	0 mg/L to 100 g/L			0 mg/L to 100 g/L
Salinity Range	0 to 8 %			0 to 8 %
Salinity Accuracy	$\pm$ 0.1 %			$\pm$ 0.1 %
DO Range	0 to 99.99 mg/L	-	0 to 99.99 mg/L	
DO Resolution	0.01 mg/L	-	0.01 mg/L	
DO Accuracy	$\pm$ 0.30 mg/L	-	$\pm$ 0.30 mg/L	
DO Saturation/Concentration Range	0 to 199.9 %	-	0 to 199.9 %	
DO Saturation/Concentration Resolution	0.01 mg/L	-	0.01 mg/L	
DO Saturation/Concentration Accuracy	0.10%	-	0.10%	
Ion Concentration Range	0 to 19990 $\mu$ g/L,mg/L,g/L,mol/L,mmol/L			-
Temperature Compensation	Auto, pH: 0.0 to 100.0 $\mu$ S/cm; COND: 0.0 to 100.0 $\mu$ S/cm; DO: 0.0 to 40.0 $\mu$ S/cm			

Calibration	0- Offset and Full Scale	-	-	0 Offset and Full Scale
Ion Mode	H+,Ag+,Na+,K+,Cl-,F			-
Measuring Mode	3 mode			
Certification	CE			
Storage	2200 sets			
Interface	USB			
Electrical Requirement	Li-on Battery , 1.1DC			
Catalogue No.	7101025-04	7101030-04	7101035-04	7101040-04

<b>Shipping:</b>	2 - 3 weeks Delivery.
<b>source:</b>	-
<b>calibration:</b>	0- 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>	-
<b>do_range:</b>	0 to 99.99 mg/L
<b>conductivity_accuracy:</b>	0.5% FS
<b>conductivity_resolution:</b>	-
<b>conductivity_range:</b>	0 ?s/cm to 199.9 ?S/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>	-
<b>ph_accuracy:</b>	-

ph_resolution:	-
ph_range:	-
model_type:	-
temperature_range:	-5 to 135?
wavelength:	-
model:	CM-205

## **Iris Analytical Ltd.**

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