

# SELECTION GUIDE

## Benchtop Lab Meters



www.ionode.com  
8/148 Tennyson Memorial Ave. Tennyson Qld.  
07 3848 1660



**CP-511** pH, Temp



**CC-511** EC, Sal, Temp.



**CPC-511** EC, Sal, TDS, pH

### pH METER

- Accurate pH, mV (redox potential) and temp measurements.
- Calibration of the pH electrode: 1-3 points.
- Automatic buffer detection 4.00; 7.00; 10.00 pH.
- Automatic temperature compensation.
- Meter displays electrode slope & offset
- Wide range of the temp measurement (-20 °C - 199,9 °C)
- Equipped with separate stainless steel temp sensor (Pt-1000B).
- 24 months warranty

### EC, SALINITY METER

- Accurate measurement of EC, salinity & temp.
- Large LCD display displays simultaneous readout of measured function and temp
- Measures conductivity up to 1000 mS/cm.
- 5 sub ranges switched automatically (autorange).
- Salinity measurement up to 250 g/l NaCl
- Converts conductivity into salinity according to real curve and not a constant coefficient.
- Can measure TDS
- Calibration by entering the constant K of cell in range 0.010 ÷ 19.999 cm<sup>-1</sup> or determining it with use of a standard solution.
- Automatic temperature compensation.
- Constant temperature coefficient – 2 %/°C.
- Possibility of entering the reference temp value.
- 24 months warranty
- Wide range of EC cells available

### pH, EC, SALINITY METER

- Measures: pH, mV (redox potential), EC, salinity and temperature.
- Large LCD display displays simultaneous readout of measured function and temp
- In the pH measuring function:**
  - Calibration in 1- 3 points in buffer solutions.
  - Automatic detection of buffer solution's value 4.00, 7.00, 10.00
  - Meter displays electrode slope & offset
  - Automatic temp compensation.
- In the conductivity measuring function:**
  - Measures conductivity up to 1000 mS/cm.
  - 5 sub ranges switched automatically (autorange).
  - Salinity measurement up to 250 g/l NaCl
  - Converts conductivity into salinity according to real curve and not a constant coefficient.
  - Can measure TDS
  - Calibration, by entering the constant K of cell in range 0.010 ÷ 19.999 cm<sup>-1</sup> or determining it with use of a standard solution.
  - Possibility of entering the reference temp value.
  - Automatic temp compensation.
  - Constant temperature coefficient – 2 %/°C.
  - 24 months warranty
  - Wide range of EC cells available

Reliable, economical lab supplies with local tech support.



tech  
SUPPORT  
since  
1972



# SPECIFICATIONS

(subject to change)

510 series meters all feature:

- Splashproof (IP-65)
- Easy-to-read adjustable backlit LCD display
- Precise measurements
- 24 month warranty



www.ionode.com  
8/148 Tennyson Memorial Ave. Tennyson Qld.  
07 3848 1660

## CP-511

Function	pH	mV	°C
Range	-2 pH ÷ 16.00 pH	0 ÷ 1999.9 mV	-50.0 ÷ 199.9 °C
Resolution	0.01pH	1 mV	0.1 °C
Accuracy (± 1 digit)	±0.01pH	±1 mV	±0.2 °C*
Input impedance	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	-
Temp. Compensation range	-5 ÷ 110.0 °C	-	-
Power	Stabilised power adapter 12 V 100mA		
Dimensions (mm) / Weight	L = 200; W = 180; H = 20/50 / 600g		

\* Accuracy of the meter. The total error is a sum of the applied probe error and the meter's error.



## CC-511

Function	Conductivity	Salinity	Temperature
Range	0 ÷ 1000mS/cm, autorange	NaCl 0 ÷ 250 g/l KCl 0 ÷ 200 g/l	-50.0 ÷ 199.9 °C
Accuracy (± 1 digit)	±0.25 %;		±0.1 °C*
Temperature compensation	-5 ÷ 70 °C	-5 ÷ 70 °C	
Power	Power adapter 12 V		
Temperature sensor	Pt-1000		
Dimensions (mm), weight (g)	L = 200; W = 180; H = 20/50 / 600g		

\* Accuracy of the meter. To determine the measurement accuracy, the meter's and probe's error need to be considered.



## CPC-511

Function	pH	mV	Conductivity	Temperature
Range	-2.00 ÷ 16.00 pH	0 ÷ 1999 mV	0 ÷ 1000 mS/cm	-50.0 ÷ 199.9 °C
Resolution	0.01pH	1 mV		0.1 °C
Accuracy (± 1 digit)	±0.01pH	±1 mV	±0.25%	±0.1 °C*
Temp. Compens. range	-5 ÷ 110.0 °C	-	-5 ÷ 70.0 °C	
Input impedance	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	-	-
Power	Power adapter 12 V			
Dimensions (mm) / Weight	L = 200; W = 180; H = 20/50 / 600g			

\* Accuracy of the meter. To determine the measurement accuracy, the meter's and probe's error need to be considered.



Reliable, economical lab supplies with local tech support.



tech  
SUPPORT  
since  
1972