

# Hermann

Electrochemistry Line



- pH/ORP/ION METERS
- CONDUCTIVITY/TDS/SALINITY METERS
- DISSOLVED OXYGEN METERS
- TURBIDIMETER
- MULTIPARAMETER WATER QUALITY METERS
- LABORATORY ELECTRODES

**Water Quality Meter** and  
**Laboratory Instruments**

### HE-900-CN Benchtop Water Quality Meter



#### Parameters

pH - ORP - Ion - Conductivity - TDS -  
Salinity -

Multi-parameter benchtop meters are capable of measuring up to 9 water quality parameters, including the pH, ORP, Ion concentration, Conductivity, TDS, Salinity, resistivity and dissolved oxygen, etc.

Los multiparamétricos de sobremesa son capaces de medir hasta 9 parámetros de calidad del agua, incluyendo pH, ORP, Concentración de iones, Conductividad, TDS, Salinidad, resistividad y Oxígeno Disuelto, etc.



Model	HE-900
<b>pH</b>	
Range	-2.000-20.000pH
Accuracy	±0.002pH
Resolution	0.1, 0.01, 0.001pH, Selectable
Calibration Points	1 to 5 points
Calibration Solutions	USA, NIST, DIN or User-defined
Temperature Compensation	0~100°C, 32~212°F
Compensation Mode	Manual or Automatic
<b>mV</b>	
Range	-1999.9~1999.9mV
Accuracy	±0.2mV
Resolution	0.1, 1mV, Selectable
Calibration Points	1 point (Only for Relative mV mode)
Calibration Range	±200mV
<b>Ion</b>	
Range	0.001~19999ppm, mg/L, mol/L (Refer to the range of ISE)
Accuracy	±0.5% F.S (Monovalent), ±1% F.S (Divalent)
Resolution	0.001, 0.01, 0.1, 1
Calibration Points	2 to 5 points
Calibration Solutions	0.001, 0.01, 0.1, 1, 10, 100, 1000, 10000ppm, mg/L, mol/L
Temperature Compensation	0~100°C, 32~212°F
Compensation Mode	Manual or Automatic
<b>Conductivity</b>	
Range	0~20.00, 200.0, 2000µS/cm, 20.00, 200.0mS/cm
Accuracy	±0.5% F.S
Calibration Points	1 to 5 points
Calibration Solutions	10µS/cm, 84µS/cm, 1413µS/cm, 12.88mS/cm, 111.8mS/cm
Temperature Compensation	0~100°C, 32~212°F, Manual or Automatic
Temperature Coefficient	0.0~10.0%/°C
Compensation Modes	Linear or Pure Water
Cell Constant	K=0.1, 1, 10 or User-defined
Normalization Temperature	20°C or 25°C
<b>TDS</b>	
Range	0~100ppt (Max. 200ppt, depending on factor setting)
Accuracy	±1% F.S
TDS Factor	0.1~1.0 (Default 0.5)
<b>Salinity</b>	
Range	0~10ppt (Max. 80ppt)
Accuracy	±1% F.S
Measurement Modes	Seawater or Practical Salinity

Model	HE-900
<b>Resistivity</b>	
Range	0~100MΩ
Accuracy	±1% F.S
Resolution	0.01, 0.1, 1
<b>Dissolved Oxygen</b>	
Range	0.00~20.00mg/L (or ppm)
Accuracy	±0.2mg/L
Resolution	0.01mg/L
Calibration Points	1 or 2 points
Temperature Compensation	0~50°C, 32~122°F, Automatic
Pressure Correction	60.0~112.5kPa, 450~850mmHg
Salinity Correction	0~50g/L
<b>% Saturation of Oxygen</b>	
Range	0.0~200.0%
Accuracy	±2.0%
Resolution	0.1, 1%
<b>Temperature</b>	
Range	0~105°C, 32~221°F
Accuracy	±0.5°C, ±0.9°F
Resolution	0.1°C
Calibration Points	1 point
Calibration Range	Measured value ±10°C
<b>Others</b>	
Hold Function	Manual or Automatic
Stability Conditions	Low or High
Calibration Due	0 to 31 days
Power Off	Manual or Automatic (10, 20, 30 minutes)
Reset Function	Yes
Memory	Stores up to 500 data sets
Output	USB Communication Interface
Connector	BNC, 6-pin Mini Plug
Display	LCD (130×110mm)
Power Requirements	DC5V, using AC adapter, 220VAC/50Hz
Dimensions	210(L)×188(W)×60(H)mm
Weight	1.5kg

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