

# ST3100M – Multi-Parameter Bench Meter

One touch to switch between pH/ORP and conductivity/TDS/Salinity/Resistivity

pH/mV  
COND. /TDS



Exit  
⏻

Store  
Recall  
⤴

Read/Enter  
/Auto

Mode  
Setup  
⤵

Cal  
Cal. Data

# ST3100M Spec

Spec.	ST3100M	
Measurement Range	pH	-2.00...20.00 pH
	mV	-2000...+2000 mV
	Conductivity	0.0 $\mu$ S/cm... 199.9mS/cm
	TDS	0.1 mg/l... 199.9 g/l
	Resistivity	0...20M $\Omega$ •cm
	Salinity	0-100 psu
	Temperature	-5°C...110 °C
Resolution	pH	0.01pH
	mV	1 mV
	Conductivity	0.01 $\mu$ S/cm Auto range
	TDS	0.01 mg/L Auto range
	Resistivity	0.01 $\Omega$ •cm Auto range
	Salinity	0.01 psu
	Temperature	0.1 °C
Accuracy	pH	$\pm$ 0.01 pH
	mV	$\pm$ 1mV
	Conductivity	$\pm$ 0.5 %F.S.
	Temperature	$\pm$ 0.3 °C
Calibration	pH	3 point, 6 buffer groups for pH
	Conductivity	5 predefined conductivity standard points
Memory	99 sets pH and 99 sets conductivity data, last calibration data	
Power/Battery	110-240V/50Hz, 12 V DC	
Display	LCD with backlight	
Input	pH	BNC, impedance >10e+12 $\Omega$
	Conductivity	Mini-Din
	Temperature	Cinch, NTC 30 k $\Omega$
Data	Mini-Din, Data ( with connector to connect RS232)	
Temp Compensation Range	pH	0 °C...100 °C for pH
	Conductivity	0.00 %/°C...10.00 %/°C      Ref T: 20 or 25 °C
Housing	ABS	