

Table 3 Benchtop pH/cond. Meter Model Comparison

				
Model		PC910	PC950	PC9500
Parameter		pH/mV/Cond./TDS/SaI/Res/ °C(°F)		
pH	Range	0 to 14.00 pH		-2.000 to 20.000 pH
	Resolution	0.1/0.01 pH		0.1/0.01/0.001 pH
	Accuracy	±0.01 pH±1 digit		±0.002pH±1 digit
	Temp. compensation	0 to 100 °C (32 to212 °F) , automatic or manual		
	Calibration	1~3 points automatic		1 ~ 5 points automatic
	Buffer	USA/NIST/CH		USA/NIST/DIN/CH/User
Other specifications are same with table1 (Calibration remind, Calibration data checking, Measuring alarm, Stability setting)				
mV	Range	±2000mV		±2000mV
	Resolution	1mV		0.1/1mV
	Accuracy	±0.1% F.S ±1 digit		±0.03% F.S ±1 digit
Conductivity	Range	0~200.0mS/cm		0~2000mS/cm
	Resolution	0.1/1μS, 0.01/0.1mS		0.01/0.1/1μS, 0.01/0.1/1mS
	Accuracy	±1%F.S±1 digit		±0.5%F.S±1 digit
	Electrode constant	0.1/1.0/10.0 cm-1		
	Temp. compensation	0 to 50 °C (32 to212 °F) , automatic or manual		
	Criterion temperature	15~30 °C		
	Temp. compensation coefficient	0~10.00%/ °C		
	Calibration	1~4 points automatic		
	Calibration standard	USA/CH		USA/CH/User
	Other specifications are the same with table2 (Calibration remind, Calibration data checking, Measuring alarm)			
TDS	Range	0.1mg/l~100 g/l		0.1mg/l~500 g/l
	TDS coefficient	0.40~1.00		
Salinity	Range	0~100 ppt		0~100 ppt
Resistivity	Range	No		0~20 MΩ·cm
Temperature	Range	0~100.0°C, 32.0~212 °F		~10~110.0°C, 14.0~230°F
	Resolution	0.1°C; 0.1/1°F		
	Accuracy	±0.5°C±1 digit		
Function	Display	TFT color display		
	Stable measuring indication	With ☺ icon		
	Automatic hold	Yes	Yes	Yes
	Date and time	No	No	Yes
	Data storage	200 sets	200 sets	2000 sets
	Timing storage	No	No	Yes
	Self diagnosis information	Yes	Yes	Yes
	USB output	No	No	Yes
	GLP print	No	No	Yes (printer optional)
	External keypad	No	No	Yes
	Electrode holder	602 flexible holder	606 combination test bench (with stirrer)	
	IP Rating	IP54 water and dust proof		
	Electrode	pH: 201T-F, Cond.: 2301T-F	pH:LabSen 211, Cond:2401T-F Temp: MP500	
	Other	Power	DC9V	
Dimension		200×220×100mm	360×165×400mm	
Weight		0.95kg	1.25kg	

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APERA
INSTRUMENTS

Benchtop pH/Conductivity Meters

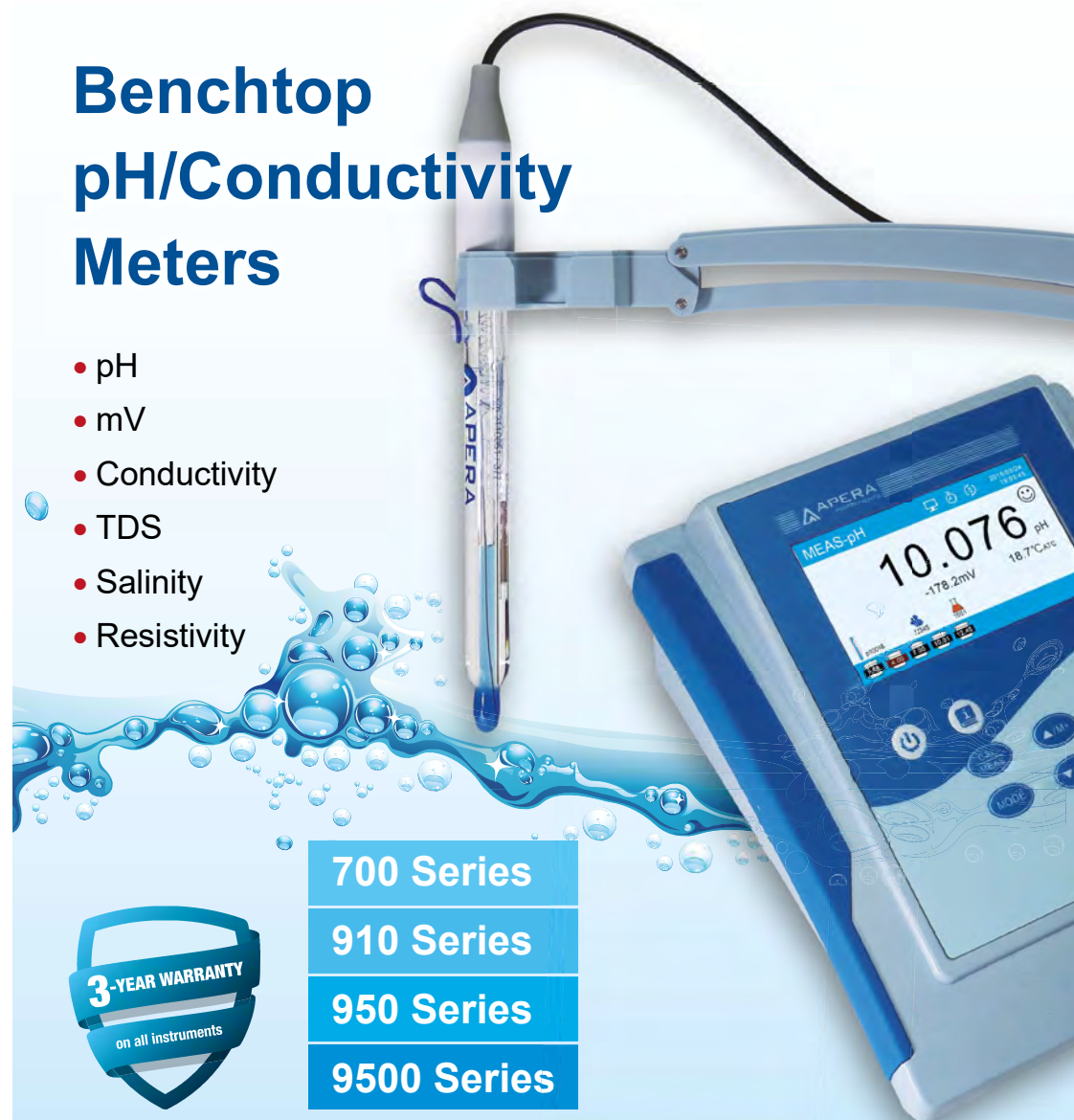
- pH
- mV
- Conductivity
- TDS
- Salinity
- Resistivity

700 Series

910 Series

950 Series

9500 Series

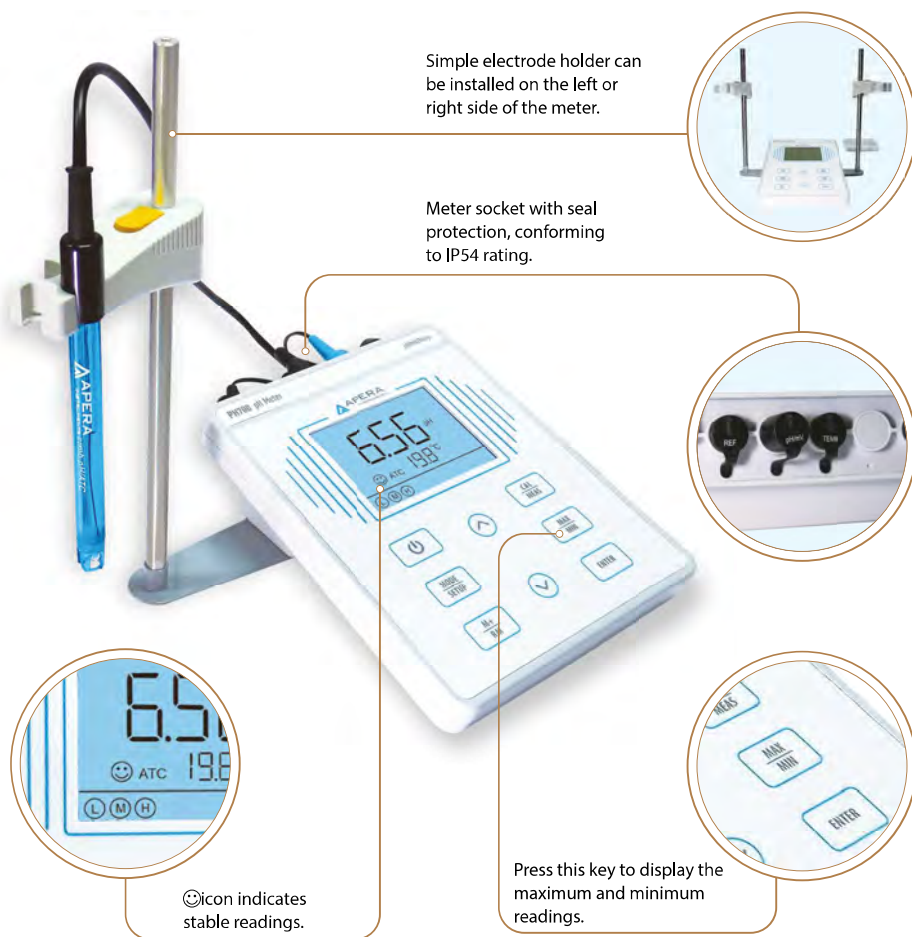


700 Series Benchtop Meter

- PH700 pH Meter pH/mV/Temp.
- EC700 Conductivity Meter Cond./TDS/Temp.

Main features

- The most economical choice for a reliable benchtop meter
- Equipped with ATC pH and conductivity electrodes, convenient to use
- Automatic calibration with calibration guide and self-diagnosis



910 Series Benchtop Meter

- PH910 pH Meter pH/mV/Temp.
- EC910 Conductivity Meter Cond./TDS/Temp.
- PC910 pH/Conductivity Meter pH/mV/Cond./TDS/Temp.

Main features

- TFT color screen with graphic and text guides
- Equipped with a flexible electrode holder
- Multi-language operating system (English, Chinese, German, Italian and Spanish)

Measurement mode

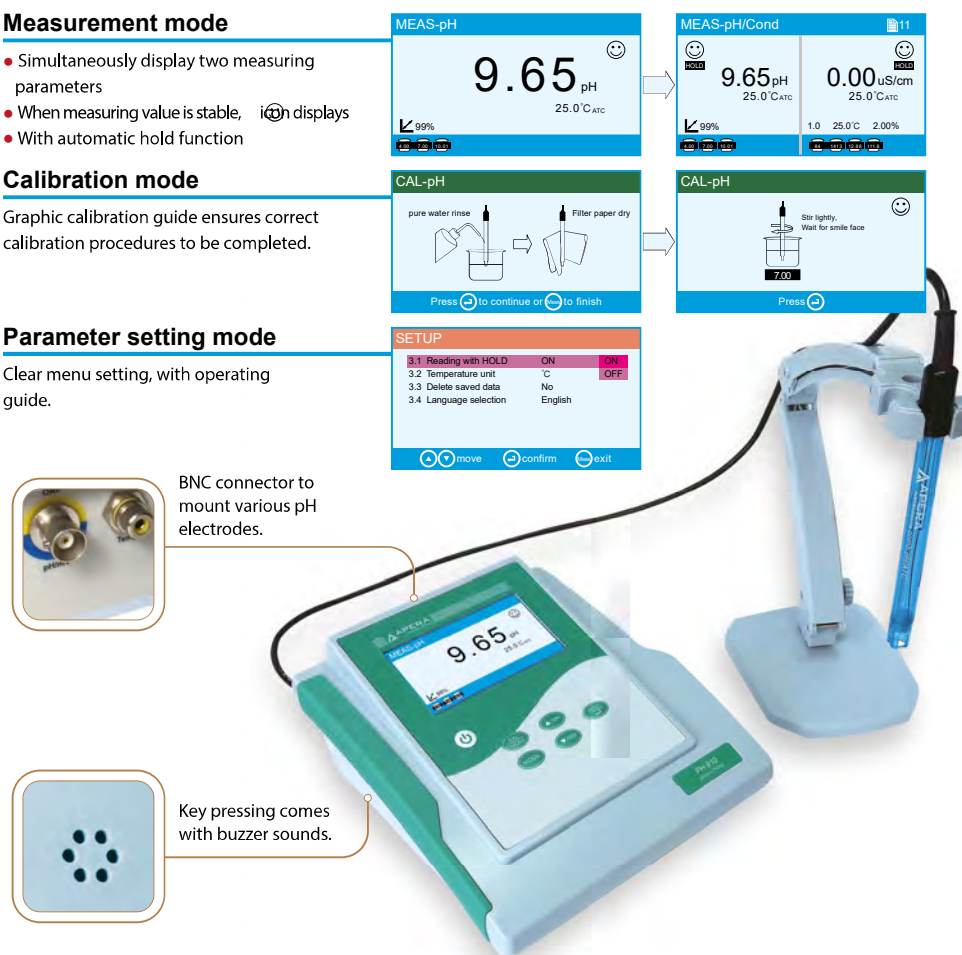
- Simultaneously display two measuring parameters
- When measuring value is stable, icon displays
- With automatic hold function

Calibration mode

Graphic calibration guide ensures correct calibration procedures to be completed.

Parameter setting mode

Clear menu setting, with operating guide.

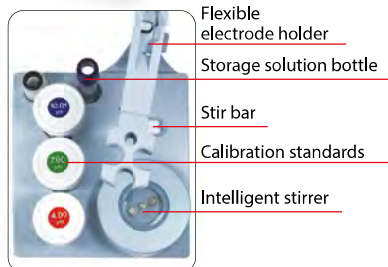
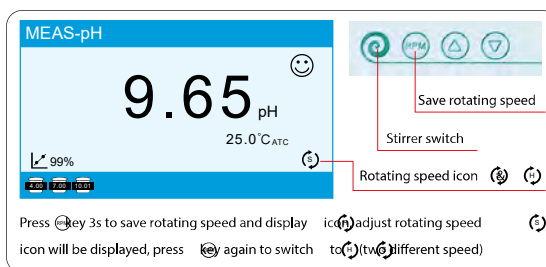


950 Series Benchtop Meter

- PH950 pH Meter pH/mV/Temp.
- EC950 Conductivity Meter Cond./TDS/Temp.
- PC950 pH/Conductivity Meter pH/mV Cond./TDS/Temp.

Main features

- TFT color screen with graphic and text guide
- Multifunctional test bench with intelligent stirrer and flexible electrode holder
- Multi-language operating system (English, Chinese, German, Italian and Spanish)



(a) Connect to use



(b) Separate to use

9500 Series Benchtop Meter

- PH9500 pH Meter pH/mV/Temp.
- EC9500 Conductivity Meter Cond./TDS/Salt/Res/Temp.
- PC9500 pH/Conductivity Meter pH/mV/Cond./TDS/Salt/Res/Temp.

Main features

- TFT color screen with graphic and text guides
- Conform to GLP data management standard, each group data includes time & date, ID of sample, electrode, and user
- Operation with password protection; support GLP printer
- Multi-language operating system (English, Chinese, German, Italian and Spanish)

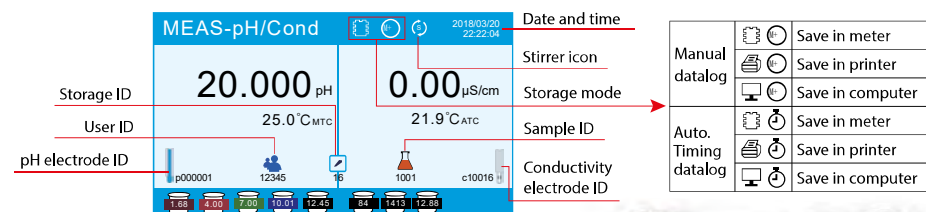


Table 1 Benchtop pH Meter Model Comparison

					
Model		PH700	PH910	PH950	PH9500
Parameter		pH/mV/ °C(°F)			
pH	Range	0 to 14.00 pH			-2.000 to 20.000 pH
	Resolution	0.1/0.01 pH			0.1/0.01/0.001 pH
	Accuracy	±0.01 pH±1 digit			±0.002pH±1 digit
	Temp. compensation	0 to 100 °C (32 to212 °F) , automatic or manual			
	Calibration	1~3 points automatic			1~5 points automatic
	Buffer	USA/NIST	USA/NIST/CH		USA/NIST/DIN/CH/User
	Calibration reminding	No	No	No	Yes
	Calibration data checking	No	Yes	Yes	Yes
Measuring alarm	No	No	No	Yes	
Stability setting	No	No	No	Low-Middle-High	
mV	Range	±2000mV		±2000mV	
	Resolution	1mV	1mV		0.1/1mV
	Accuracy	±0.1% F.S ±1 digit			±0.03% F.S ±1 digit
Temp.	Range	0~ 100.0°C; 32.0 ~ 212 °F			-10~110.0°C; 14.0~230°F
	Resolution	0.1°C; 0.1/1°F			
	Accuracy	±0.5°C±1 digit; ±0.9°F±1 digit			
Function	Display	LCD	TFT color display		
	Stable measuring indication	with ☺ icon			
	Automatic hold	No	Yes	Yes	Yes
	Date and time	No	No	No	Yes
	Data storage	50 sets	100 sets	100 sets	1000 sets
	Timing storage	No	No	No	Yes
	Self diagnosis information	Yes	Yes	Yes	Yes
	USB output	No	No	No	Yes
	GLP print	No	No	No	Yes (printer optional)
	External keypad	No	No	No	Yes
	pH electrode connector	BNC	BNC	BNC	BNC
	Electrode holder	Simple holder	602 flexible holder	606 combination test bench (with stirrer)	
	IP Rating	IP54 water and dust proof			
Electrode	201T-F		pH: LabSen211, Temperature: MP500		
Other	Power	DC9V			
	Dimension	240×235×103mm	200×220×100mm	360×165×400mm	
	Weight	1kg	0.95kg	1.25kg	

Table 2 Benchtop Conductivity Meter Model Comparison

					
Model		EC700	EC910	EC950	EC9500
Parameter		Cond./TDS/ °C(°F)	Cond./TDS/Sal/ °C(°F)		Cond./TDS/Sal/Res/°C(°F)
Cond.	Range	0~200.0mS/cm	0~200.0mS/cm		0~2000mS/cm
	Resolution		0.1/1μS, 0.01/0.1mS		0.01/0.1/1μS,0.01/0.1/1mS
	Accuracy		±1%FS±1 digit		±0.5%FS±1 digit
	Electrode constant		0.1/1.0/10.0 cm-1		
	Temp. compensation		0 to 50 °C (32 to212 °F) , automatic or manual		
	Criterion temperature		15~30 °C		
	Temp. compensation coefficient		0~10.00%/ °C		
	Calibration		1~4 points automatic		
	Calibration standard	USA	USA/CH	USA/CH	USA/CH/User
	Calibration reminding	No	No	No	Yes
Calibration data checking	No	Yes	Yes	Yes	
Measuring alarm	No	No	No	Yes	
TDS	Range	0.1mg/l~100 g/l			0.1mg/l~500 g/l
	TDS coefficient	0.40~1.00			
Salinity	Range	No	0~100 ppt		0~100 ppt
Resistivity	Range	No	No	No	0~20MΩ•cm
Temp.	Range	0~100.0°C; 32.0~212°F			-10~110.0°C; 14.0~230°F
	Resolution	0.1°C; 0.1/1°F			
	Accuracy	±0.5°C±1 digit, ±0.9°F±1 digit			
Function	Display	LCD	TFT color display		
	Stable measuring indication	With ☺ icon			
	Automatic hold	No	Yes	Yes	Yes
	Date and time	No	No	No	Yes
	Data storage	50 sets	100 sets	100 sets	1000 sets
	Timing storage	No	No	No	Yes
	Self-diagnosis information	Yes	Yes	Yes	Yes
	USB output	No	No	No	Yes
	GLP print	No	No	No	Yes (printer optional)
	External keypad	No	No	No	Yes
	Cond. electrode connector	BNC	BNC	BNC	BNC
	Electrode holder	Simple holder	602 flexible holder	606 combination test bench (with stirrer)	
	IP Rating	IP54 water and dust proof			
Electrode	2301T-F		2401T-F		
Other	Power	DC9V			
	Dimension	240×235×103mm	200×220×100mm	360×165×400mm	
	Weight	1kg	0.95kg	1.25kg	