

BENCHTOP WATER TESTER

Benchtop PH/ORP/COND./TDS/SALT 86501/86502/86503/86504/86505



- Durable electrode holder for left & right side placement
- Auto or manual temperature compensation
- Auto ranging or manual ranging
- Up to 5 points calibration points. Calibration & electrode information review
- Measuring parameters of each model:
86501: pH & mV & Temp.
86502: pH & mV & ORP & Temp.
86503: Cond. & Temp.
86504: pH & mV & ORP & Cond. & Temp.
86505: pH & mV & ORP & Cond. & TDS & Salt & Temp.



PC Link



DC jack



HOLD



MAX/MIN



Manual Logging



Auto Temp. Compensation



Metric/Imperial

Model	86501	86502	86503	86504	86505
pH range	0.00~14.00		N/A	0.00~14.00	
pH accuracy	+/-0.02		N/A	+/-0.02	
pH resolution	0.01		N/A	0.01	
mV range	+/-1999mV		N/A	+/-1999mV	
mV accuracy	+/-0.2mV(-199.9~199.9mV) or +/-2mV(others)		N/A	+/-0.2mV(-199.9~199.9mV) or +/-2mV(others)	
mV resolution	+/-0.1mV(-199.9~199.9mV) or +/-1mV(others)		N/A	+/-0.1mV(-199.9~199.9mV) or +/-1mV(others)	
Cond. range	N/A		0~19.99, 0~199.9, 0~1999uS/cm; 0~19.99, 0~199.9mS/cm		
Cond. accuracy	N/A		+/-1% F.S +/- 1 digit		
Cond. resolution	N/A		0.05% of Full Scale		
TDS range	N/A		N/A	0~19.99, 0~199.9, 0~1999ppm; 0~19.99, 0~199.9ppt	
TDS accuracy	N/A		N/A	+/-1% F.S +/- 1 digit	
TDS resolution	N/A		N/A	0.05% of Full Scale	
Salinity range	N/A		N/A	0~11.38ppt 0~80.0ppt(NaCl)	
Salinity accuracy	N/A		N/A	+/-1% F.S +/- 1 digit	
Salinity resolution	N/A		N/A	0.1	
TDS Factor	N/A		N/A	0.3~1.00	
Temp. coefficient	N/A		0~10.0%/°C		
Temp. range			0~80.0°C		
Temp. accuracy			+/-0.5°C		
Temp. resolution			0.1		
Compatible probe	PH	PH ORP	COND.	PH ORP COND.	PH ORP COND.
LCD size(mm)	40(H)x105(W)				
Operating temp.&RH%	0~50°C, Humidity<80%				
Storage temp.&RH%	-20~60°C, Humidity < 90%				
Dimension(mm)	260(L)x168(W)x58(H)				
Weight	150g				
Power	9V adaptor				

Standard Package Meter/ USA plug type adaptor/manual/probe/ solution/cable/software CD/probe stand

Probe list in standard package:

	86501	86502	86503	86504	86505
PH	✓	✓		✓	✓
COND.			✓	✓	✓

Optional:

3 PLUG UNIVERSAL ADAPTOR P/N:VB1099EX
ORP Probe
P/N:VZ850PAZ (Pt Pin type)
P/N:VZ86P5AZ (Pt Band type)

Ordering Code

VZ86501AZ, 86501 meter+ probe set
VZ86502AZ, 86502 meter+ probe set
VZ86503AZ, 86503 meter+ probe set
VZ86504AZ, 86504 meter+ probe set
VZ86505AZ, 86505 meter+ probe set
For changing to VB1099EX, it is VZxxxxAZ1
Find more part numbers in pH probe page

*Available for EB project

2023.08 V5.1