TECHNICAL DATA SHEET

ALab™ Pocket Testers

Pocket pH, ORP, conductivity and pH/conductivity testers · eight models · standard and Bluetooth



ALab™ Pocket Testers

The ALab™ Pocket Testers (left to right: DPH1, DPH1+, DORP1, DORP1+).

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SECTION I

Product Overview

The ALab™ Pocket Testers offer eight pocket testers for pH, ORP, conductivity and pH/conductivity, in a standard series and a Bluetooth series with mobile APP.

All models have replaceable probes, a multi-color backlight display, automatic data locking, 4×1.5V AAA batteries and protection class IP67.

SECTION II

Core Advantages

- **Probes** — replaceable
- **Series** — standard, Bluetooth
- **Power** — 4×AAA
- **Display** — multi-color backlight
- **Models** — eight
- **Protection** — IP67

SECTION III

Specifications

Technical data — eight pocket testers

Specifications	
Brand	ALab™ by ACS Material
Model	DPH1, DPH1+, DORP1, DORP1+, DEC1, DEC1+, DPC1, DPC1+
SKU #	ALECPK00
Product Type	Pocket pH / ORP / conductivity / pH-conductivity testers (standard and Bluetooth)
Power supply	4×1.5V AAA alkaline batteries, pre-installed
Protection class	IP67

Models, specifications and included items — eight pocket testers

Parameters and probes of each model								
Parameter / probe	**DPH1**	**DPH1+**	**DORP1**	**DORP1+**	**DEC1**	**DEC1+**	**DPC1**	**DPC1+**
pH, mV, ℃	Yes	Yes	–	–	–	–	Yes	Yes
mV (ORP), ℃	Yes	Yes	Yes	Yes	–	–	Yes	Yes
Cond., TDS, Sal., Res., ℃	–	–	–	–	Yes	Yes	Yes	Yes
Default probe PH1-S	Yes	Yes	–	–	–	–	–	–
Default probe ORP1-S	–	–	Yes	Yes	–	–	–	–
Default probe EC1-S	–	–	–	–	Yes	Yes	–	–
Default probe PC1-S	–	–	–	–	–	–	Yes	Yes
Optional probe PH1-S	–	–	–	–	–	–	Yes	Yes
Optional probe ORP1-S	Yes	Yes	–	–	–	–	Yes	Yes
Optional probe EC1-S	–	–	–	–	–	–	Yes	Yes

Specifications — standard models (DPH1, DORP1, DEC1, DPC1)		
Parameter	**Specification**	**Applies to**
pH: Measurement range	(-2.00~16.00)pH	DPH1, DPC1
pH: Resolution	0.1/0.01	DPH1, DPC1
pH: Accuracy	±0.01pH ±one digit	DPH1, DPC1
pH: Calibration points	1, 2, -3pts automatic	DPH1, DPC1
pH: ATC range	0~60℃(32~140℉)	DPH1, DPC1
ORP: Measurement range	(-1000.0~+1000.0)mV	DPH1, DORP1, DPC1
ORP: Resolution	0.1/1	DPH1, DORP1, DPC1
ORP: Accuracy	±0.1%F.S ±one digit	DPH1, DORP1, DPC1
Conductivity: Measurement range	0~19.99mS/cm, Auto-ranging: 0~19.99μS/cm; 20.0~199.9μS/cm; 200~1999μS/cm; 2.00~19.99mS/cm. TDS: 0.0mg/L~10.0g/L (TDS factor adjustable). Resistivity: 50Ω·cm~20MΩ·cm. Salinity: 0~10ppt	DEC1, DPC1
Conductivity: Resolution	0.01/0.1/1	DEC1, DPC1
Conductivity: Accuracy	±1.0%F.S ±one digit	DEC1, DPC1
Temperature: Measurement range	0~60℃(32~140℉)	All standard models
Temperature: Accuracy	±0.2℃	All standard models

Specifications — Bluetooth models (DPH1+, DORP1+, DEC1+, DPC1+)		
Parameter	**Specification**	**Applies to**
pH: Measurement range	(-2.00~16.00)pH	DPH1+, DPC1+
pH: Resolution	0.1/0.01	DPH1+, DPC1+
pH: Accuracy	±0.01pH ±one digit	DPH1+, DPC1+
pH: Calibration points	1, 2, -3pts automatic	DPH1+, DPC1+
pH: ATC range	0~60℃(32~140℉)	DPH1+, DPC1+
ORP: Measurement range	(-1000.0~+1000.0)mV	DPH1+, DORP1+, DPC1+
ORP: Resolution	0.1/1	DPH1+, DORP1+, DPC1+
ORP: Accuracy	±0.1%F.S ±one digit	DPH1+, DORP1+, DPC1+
Conductivity: Measurement range	0~19.99mS/cm, Auto-ranging: 0~19.99μS/cm; 20.0~199.9μS/cm; 200~1999μS/cm; 2.00~19.99mS/cm. TDS: 0.0mg/L~10.0g/L (TDS factor adjustable). Resistivity: 50Ω·cm~20MΩ·cm. Salinity: 0~10ppt	DEC1+, DPC1+
Conductivity: Resolution	0.01/0.1/1	DEC1+, DPC1+
Conductivity: Accuracy	±1.0%F.S ±one digit	DEC1+, DPC1+
Temperature: Measurement range	0~60℃(32~140℉)	All Bluetooth models
Temperature: Accuracy	±0.2℃	All Bluetooth models
APP: Calibration reminder	Yes	All Bluetooth models
APP: Sample ID Classification	Yes	All Bluetooth models
APP: Timing datalogging	Yes	All Bluetooth models
APP: Operation guider	Yes	All Bluetooth models
APP: Various display modes	Yes	All Bluetooth models

Test kit — included items by model								
Item	**DPH1**	**DPH1+**	**DORP1**	**DORP1+**	**DEC1**	**DEC1+**	**DPC1**	**DPC1+**
Tester	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Probe PH1-S, pre-installed	Yes	Yes	–	–	–	–	–	–
Probe ORP1-S, pre-installed	–	–	Yes	Yes	–	–	–	–
Probe EC1-S, pre-installed	–	–	–	–	Yes	Yes	–	–
Probe PC1-S, pre-installed	–	–	–	–	–	–	Yes	Yes
pH buffer solution: pH4.00/7.00/10.01, 30mL, one for each	Yes	Yes	–	–	–	–	–	–
3.0 mol KCl pH/ORP soaking solution: 10mL, 1 bottle	Yes	Yes	Yes	Yes	–	–	Yes	Yes
Sample vials: 30mL (quantity)	3	3	1	1	2	2	4	4
Standard ORP solution: 222mV, 30mL	–	–	Yes	Yes	–	–	–	–
Standard Cond solution: 1413μS/12.88mS/cm, 30mL, one for each	–	–	–	–	Yes	Yes	Yes	Yes
pH buffer solution: pH4.00/7.00, 30mL, one for each	–	–	–	–	–	–	Yes	Yes
4×1.5V AAA alkaline batteries (pre-installed)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lanyard	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hard carrying case (L/W/H: 28.0×23.0×8.2cm)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Scope of delivery

— **Standard configuration**: one ALab™ pocket tester of the selected model with the items marked for that model in the Included items table.

— **Optional**: optional probes as listed in the first table. Specify further items separately in the quotation.

SECTION IV

Applications

Suited to portable measurement of pH, ORP, conductivity, TDS, salinity and resistivity; the Bluetooth models add a mobile APP with datalogging.

Select the model before ordering.

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