Portable PH/ Conductivity/ Dissolved Oxygen/ ORP Meter

Technical Parameters:

Model		PH-P16
PH	Range	-2.00~20.00pH
	Accuracy	±0.01pH
	Repeatability	±0.02pH
	Resolution	0.1pH, 0.01pH
	Stability	±0.01pH/3h
ORP	Range	-2000mV~2000mV
	Accuracy	±0.1%F.S.
	Resolution	1mV
Conductivity Range	Standard	200μS/cm~2000μS/cm
	Optional	0.00μS/cm~20.00μS/cm,20.0μS/cm~200.0μS/cm, 2.00mS/cm~20.00mS/cm,20.0mS/cm~200.0mS/cm
Resistivity		0~100MΩ/cm
TDS		0~100g/L
Salinity	Range	0~100ppt
	Accuracy	±1.0%F.S.
	Repeatability	±1.5%F.S.
	Resolution	0.01μS/cm, 0.1μS/cm, 1μS/cm, 0.01mS/cm, 0.1mS/cm
	Electrode Constant	Standard: 1cm^{-1} Optional: 0.01cm^{-1}, 0.1cm^{-1}, 10cm^{-1}
	Reference Temperature	25℃, 20℃, 18℃
DO	Range	0~20.00mg/L (ppm), account for 0~200.0%
	Accuracy	±0.10mg/L
	Repeatability	±0.40mg/L
	Resolution	0.1mg/L (ppm), 0.01mg/L (ppm); 1%, 0.1%
	Response Time	≤30s (25℃, 90% response)
	Residual Current	≤0.1mg/L
	Salinity Compensation	0~45ppt (manual)
	Pressure Compensation	0~200kPa (manual)
	Automatic Calibration	Air saturated with water; Water saturated with air
	Electrode Type	Polarographic type
Temperature	Range	0℃~100℃
	Accuracy	5~60℃: ±0.4℃ Other: ±0.8℃
Other Specifications	Resolution	0.1℃
	Temperature Compensation	0~100℃, automatic or manual
	Data Storage	500 sets
	Store Content	Measurement number, Measurement value, Temperature value, ATC or MTC status, Measurement date, Measurement time
	Communication Interface	Standard: USB2.0, USB micro interface Optional: Bluetooth wireless
	Power Supply	AC220V, 50/60Hz (standard), 110V, 50/60Hz (optional)
	Ambient Temperature	5~35℃
	Ambient Humidity	≤75%
	IP Class	IP54 dust and splash proof
	Dimension	215*170*40mm
	Package Size	475*430*75mm
	Net Weight	0.6kg
	Gross Weight	3kg

Features:

＊ 7-inch color high resolution (1024*600) capacitive touch screen, UI design, navigational operation experience, high sensitivity, complete parameter display, intuitive, easy to use. The main shell is made of PEEK material, which is resistant to high temperature, corrosion and aging.

＊ Built-in ARM 32 bit microprocessor chip, using digital filtering and slip technology, intelligently improving the response speed of the instrument and the accuracy of the measurement data. The PCB adopts SMT technology, which improves the reliability of product processing.

＊ The main interface of the instrument can display pH value, mV value, conductivity, dissolved oxygen concentration, dissolved oxygen saturation and temperature value at the same time, if you click on each item module, you can view the detailed detection value of each test item, and you can also calibrate each project.

＊ In line with the GLP requirements of international standards, it has intelligent functions such as automatic calibration, automatic temperature compensation, data storage, USB output, clock display, wireless printing, function setting and self-diagnosis information.

＊ The instrument has built-in bilingual operating system in Chinese and English, user-friendly operation design, instrument brightness can be adjusted, and temperature units can be freely switched between ° C and ° F. The instrument is equipped with a temperature electrode for automatic temperature compensation.

＊ Built-in mass storage can store 500 sets of measurement data, data can be stored through the U disk transfer data, storage data can be opened by general office software EXELL, greatly convenient for customers to edit.

＊ The instrument can be equipped with Bluetooth module, support wireless Bluetooth printing, easy to operate.

＊ Instrument Intelligent Internet of Things platform system based on wechat mini program, mobile phone download program can view instrument data in real time.

＊ The polarographic dissolved oxygen electrode of the new structure can measure temperature and dissolved oxygen at the same time, and the electrode polarization only needs 3~5 min. With the combined diaphragm cap, when replacing the sensitive film, just tighten the new diaphragm cap on the electrode, which is extremely convenient to use.

＊ The dissolved oxygen measurement mode has the function of automatic temperature compensation, salinity compensation and pressure compensation.