



## PB-30/PB-30L pH Meter

### Benefits :

- TFT color touch screen
- Auto/Manual Temperature Compensation (ATC/MTC)
- Automatic calibration using up to 3 buffers, and Automatic buffer recognition during calibration
- Timing calibration reminder
- Automatically save calibration data
- 500 sets of data storage
- Stores electrode serial numbers to ensure 100% traceability (only PB-30)
- User password protection
- Multi-interface data output
- GLP printing



### Technical Specifications

#### pH

Range -1.99 至 19.99

Resolution 0.01

Accuracy  $\pm 0.005$

#### mV

Range -1999.9 至 1999.9

Resolution 0.1

Accuracy  $\pm 0.3$  mV (0.05%, if  $< -400$  mV or  $> +400$  mV)

#### Temperature

Range -5.0 至 105.0

Resolution 0.1

Accuracy  $\pm 0.2$

Calibration up to 3 buffers

Auto buffer recognition 16 buffers (3 groups)

2, 4, 7, 10, 12

1, 3, 6, 8, 10, 13

1.68, 4.01, 6.86, 9.18, 12.46

Automatic electrode slope correction 90% - 105%

Auto/Manual Temperature Compensation (ATC/MTC)

Option Units pH、 mV 和 RmV (Relative mV)



## PB-30/PB-30L pH Meter

### Data storage and user settings

Measurement data	500 Group Includes measurement date and time, electrode serial number, measured value pH/mV, temperature compensation, etc.
Calibration data	10 Group Includes measurement time, electrode serial number, calibration buffer, calibration mV, temperature compensation, electrode slope, etc.
User setting	up to 5 users Includes 1 administrator and 4 regular users The administrator can set the user's permission to use the device, so that the device settings are not modified at will. Administrators can set/delete user information
Password protection	each user can set a separate password

\*PB-30L calibration/measurement data cannot record electrode serial number information  
\*PB-30L does not include user setting function, only password protection

### Interface parameter

Electrode interface	BNC
Temp. electrode interface	2.5mm mike interface
Communication interface	
RS232	SBI protocol data transmission Printer YDP20
USB-B	SBI rotocol data transmission input Excel spreadsheet data Printer YDP30
USB-A	Barcode Reader U sdick

\*PB-30L does not include USB-A port function

### AC adpter

sartorius AC adpter	6971793S , YEPS01-PS4 or YEPS01-PS5 (According to different country power plug configuration)
AC input	110 ~ 240 VAC, $\pm 10\%$ , 50 - 60 Hz, 0.2 A
DC output	15 VDC, $\pm 5\%$ , 530 mA (max.) / 8 W (max.) : 0°C~ +40°C 15 VDC, $\pm 5\%$ , 330 mA (max.) / 5 W (max.) : 0°C~ +50°C
Others	Protection class II in accordance with EN/IEC 60950-1 / up to 3000 m above sea level / IP40 in accordance with EN 60529/IEC 60529



sartorius

## PB-30/PB-30L pH Meter

### Ambient Conditions

Storage and shipping temp.	-10° C to +60 ° C
Operational temp.	+10° C to +33 ° C
Relative humidity	<= 85% RH



## PB-30/PB-30L pH Meter

### Optional Accessories

#### Electrode

Item	Order number	The type of electrode	Temperature range	pH range	Interface and cable length	Application field	
1	PY- ASI	pH electrode three-in-one (with electrode sensor)	Plastic, Gel	0°C~80°C;	0-13pH	BNC+2.5mm microphone connector 1m cable	Routine application
2	PY- ASI2	pH electrode three-in-one (with electrode sensor)	Plastic, Fillable	0°C~80°C;	0-13pH	BNC+2.5mm microphone connector 1m cable	Routine application
3	PY-PN	pH electrode two-in-one	Plastic,Gel	0°C~80°C;	0-14pH	BNC 1m cable	Routine application
4	PY-PW	pH electrode two-in-one	Glass, Fillable	0°C~100°C;	0-12pH	BNC 1m cable	Pure water
5	PY-PG	pH electrode two-in-one	Glass, Fillable	0°C~80°C;	0-14pH	BNC 1m cable	Turbid, viscous, gelatinous sample
6	PY-T02	Temperature electrode NTC-10K@25°C		-20°C~100°C	-40°C-125°C 0-70°C Temperature tolerance±0.5 °C	2.5mm microphone connector 1m cable	Used with two-in-one together
7	PY-T	Temperature electrode NTC-10K@25°C		-20°C~100°C	-40°C-125°C 0-70°C Temperature tolerance±0.2 °C	2.5mm microphone connector 1m cable	Used with two-in-one together



sartorius

## PB-30/PB-30L pH Meter

### Others

Electrode arm	on request
Chassis	on request
Printer	YDP20-0CEV1
Printer	YDP30
Paper for YDP30	69Y03285
Data cable USB-A to USB-B	on request
Data cable DB25 to DB9	YCC03-D25
AC adapter	6971793S/ YEPS01-PS4/ YEPS01-PS5
Barcode Reader	on request



sartorius

# PB-30/PB-30L pH Meter

## Dimensions

