

Cat.No.6435-00

Handy type Digital PH Meter SK-620PHII (with standard probe PHP-31



Model

SK-620PHII

Handy type digital pH meter. PHP-31 standard probe is attached. Various optional probes are provided for wide application. Measured data can be transmitted to a PC in real-time via RS-232C. AC adapter is available at option.

* This model is not usable for certification purpose

Features

- Standard probe PHP-31 is attached as a standard accessory
- Various sensors are provided. Available to select the probe suitable to your application
- Three points calibration
Calibration points (at 25°C) : 4.01, 6.86 and 10.01
- **Auto Power-Off**
The "Auto power-off" function turns off the unit 20 minutes after the power is turned on. This conserves battery life if you forget to turn off the unit.
- **Auto temperature compensation**
Once the PHP-31 sensor probe is connected to your SK-620PHII, it will perform automatic temperature compensation to produce more accurate pH measurements.
- Backlight function when used in the dark place
- Measured data are transmitted to a computer in real-time by RS-232C output (RS-232C cable is optional)
- Continuous measurement is available with AC adapter
- Vinyl cover to protect the main body against water is attached

Specifications

No.6435-00 Handy Type Digital pH meter Model SK-620PHII with Standard probe PHP-31

Measuring factors		Hydrogen ion concentration (pH), Temperature (liquid temp.)
Measuring range (w/PHP-31 probe)	pH	0.00 to 14.00pH
	Temp	0.0 to 50.0°C
Accuracy	pH	+/-0.3±1digit)pH at 0 to 2pH

(w/PHP-31 probe)		$\pm(0.1+1\text{digit})\text{pH}$ at 2 to 12pH $\pm(0.4+1\text{digit})\text{pH}$ at 12 to 14pH
	Temp.	$\pm 0.5^{\circ}\text{C}$ at 20 to 30 °C $\pm 0.7^{\circ}\text{C}$ at other than above
Resolution	pH	0.01pH
	Temp.	0.1°C
Sensing elements		pH: Glass electrode Temperature: Thermistor
Functions		(1) Calibration at three pH points (4.01, 6.86 and 10.01) at 25°C (2) Auto power-Off (3) Back light (4) MAX/MIN, Memory (5) Auto temperature compensation (ATC) (6) Manual temperature setting (7) RS-232C output
Operation ambient		Temp.: 0 to 50°C Humidity: less than 80%rh (no condensing)
Power requirement		9VDC 6F22 (006P) battery or AC adaptor (optional)
Battery life		about 20 hours (continuous measurement)
Power requirement		Case : ABS resin Electrode :Glass
Dimensions and Weight	Case	(W)72 x (H)182 x (D)31.5mm approx. 220g (includes a battery)
	Probe	Ø12 x (L)135mm approx. 76g Cord: (L) 1m
Standard accessories		(1) PHP-31 Probe (2) Glass electrode protection bottle (3) Standard liquid(Phthalate solution, neutral phosphate solution, Carbonate solution) (4) One 006P battery (9VDC) (5) Vinyl cover (6) Carrying case (7) Instruction manual

[No.6400-30 Standard probe PHP-31]

Measuring range	pH: 0.00 to 14.00pH (usable at 0 to 50°C) Temperature: 0 to 50°C
Accuracy	pH: $\pm 0.28\text{pH}$ at 0 to 2pH, $\pm 0.08\text{pH}$ at 2 to 12pH, $\pm 0.38\text{pH}$ at 12 to 14pH Temp.: $\pm 0.3^{\circ}\text{C}$ at 20 to 30°C, $\pm 0.5^{\circ}\text{C}$ at other range
Sensing element	pH: Glass electrode (lead-free)/PVC Temp.: Thermistor
Liquid junction	Sleeve type
Internal liquid	3.3mol/L KCl (non-replenishable)
Materials	Electrode holding tube: glass (lead-free) Cord: PVC
Dimensions	12mm dia. ×135mm (L) Cord length: 1m

Weight	approx. 76g
Accessory	Protection bottle for glass electrode

[640S Series pH Optional Probes]

Applications		for General purpose	for immersion	for High-alkali	for Flat surface	for Test tube	for Minute amount
Cat. No.		No.6424-00	No.6425-00	No.6425-10	No.6425-20	No.6425-30	No.6425-40
Model		640S-1	640S-2	640S-3	640S-4	640S-5	640S-6
Measuring range	pH	2.00 to 13.00pH		2.00 to 14.00pH	2.00 to 13.00pH		
	Temp.	0 to 50°C			-		
Accuracy	pH	±0.03pH					
	Temp.	±0.5°C			-		
Sensing elements	pH	Glass electrode					
	Temp.	Thermistor			-		
Liquid junction		Sleeve type	Ceramics type	Sleeve type			
Internal liquid		3.3mol/L KCl (replenishable)	3.3mol/L KCl (non-replenishable)	3.3mol/L KCl (replenishable)			
Usable temperature range					15.0 to 50°C	10 to 50°C	
Materials	Electrode holding tube	Glass (Lead free)	PVC	Glass (Lead free)			
	Cord	PVC					
Dimensions	Sensor section	approx. 12 dia. × L156mm	34 dia. × L137mm	12 dia. × L159mm	12 dia. × L156mm	Ø6×L190mm (sensor L=270mm)	Ø3×L50mm (sensor L=148mm)
	Cord length	1m	3m	1m			
Weight		78g	460g	76g	69g	63g	59g
Accessories		Glass electrode cap 1 pc. Glass electrode protection cap 1 pc Replenisher liquid (35ml) 1 pc. Instruction manual 1 pc.	Glass electrode cap 1 pc. Glass electrode protection cap 1 pc Instruction manual 1 pc.	Glass electrode cap 1 pc. Glass electrode protection cap 1 pc Replenisher liquid (35ml) 1 pc. Instruction manual 1 pc.	Glass electrode cap 1 pc. Replenisher liquid (35ml) 1 pc. Instruction manual 1 pc.		

- Available to change the cord length in 640S-1 and 640S-2 probe at option
- Temperature probe for temperature compensation is not built in 640S-4, 640S-5 and 640S-6 probes
- In the 640S-2 probe, standard solutions attached with SK-620PHII are not usable. Separately purchase

the optional solutions.

[No.6425-90 Optional temperature probe 640S-T]

Measuring range	0 to 50°C
Accuracy	±0.5°C
Sensing element	Thermistor
Operation range	0 to 50°C
Materials	Sensor section:SUS304 Cord: PVC
Dimensions	Sensor section: 3.8 dia.×L100mm Cord:1.2m(L)
Weight	32g
Accessory	Instruction manual

This temperature probe is useable with 640S-4, 640S-5 and 640S-6 or temperature compensation.

[Optional Standard Solutions]

Model	Name	
6401-00	Phthalate solution	pH4.01 500ml (JCSS)
6402-00	Neutral phosphate solution	pH6.86 500ml (JCSS)
6403-00	Carbonate solution	pH10.01 500ml (JCSS)
6404-00	Borate	pH9.18 500ml (JCSS)

Model	Name	
6401-10	Phthalate solution	pH4.01 500ml
6402-10	Neutral phosphate solution	pH6.86 500ml
6403-10	Carbonate solution	pH10.01 500ml
6404-10	Borate	pH9.18 500ml