

# AWE

## Model PC18-K Portable pH Meter Kit



- \* Simple Operation
- \* pH /  $\mu$ S /  $^{\circ}$ C Ranges Selectable
- \* Large Digital Display Display
- \* Auto / Man Temp Compensation
- \* Supplied as a Kit with Electrode
- \* Supplied with Carrying Case
- \* High Accuracy & Reliability
- \* Small Dimensions
- \* Long Battery Life
- \* Cost Effective
- \* Ex - Stock Deliveries

The model PC18 portable pH/ $\mu$ S/ $^{\circ}$ C meter features a large 12.5 mm high LCD display, which may be selected to read, pH range 0 – 14.00 pH, Conductivity 3 user selectable ranges 0 - 200  $\mu$ S, 0 - 2000  $\mu$ S or 0 - 20.00 mS, with automatic temperature compensation to a base of 25 $^{\circ}$ C at 2% /  $^{\circ}$ C, or temperature from -50 to +150  $^{\circ}$ C with the stainless steel temperature sensor.

The display has a low battery indicator; the case size is 145 x 90 x 39 mm with a low weight of only 400 grms.

The model PC18 portable pH/ $\mu$ S/ $^{\circ}$ C meter is supplied as a kit, which comprises of a leather carrying case, 9005-3B epoxy bodied combination pH electrode with a 3' cable and connector. A8000 stainless steel temperature sensor with 3' cable and connector.

When the pH range is selected the stainless steel temperature sensor provides automatic temperature compensation over the range of 0 – 100 $^{\circ}$ C removing the temperature sensor reverts to a fixed temperature of 25 $^{\circ}$ C.

The model PC18 portable pH/ $\mu$ S/ $^{\circ}$ C meter is a simple to use portable pH instrument intended for use in the field offering laboratory grade accuracy. Being a traditional pH instrument with separate electrodes it is easy to replace the electrode or use a different electrode for specific applications.

The model PC18 portable pH/ $\mu$ S/ $^{\circ}$ C meter can be used as a portable for testing the pH/ $\mu$ S/ $^{\circ}$ C of process tanks with varying temperatures, towns water, boiler blowdown water or evaporative cooling water and effluent streams or used in the laboratory or plant room on the bench for testing samples in beakers.

### Ordering Information

PC18-K	Portable pH/mV/ $^{\circ}$ C Meter kit
9005 - 3B	Epoxy body pH combination electrode
9016 - 3B	Epoxy body Platinum Redox combination electrode
9069 - 3 B	Optional glass pH combination electrode
9072 - 3 B	Optional pH electrode for low conductivity water
9092 - 3 B	Optional pH electrode with double junction
A8000	Stainless steel temperature probe.
A1003	Epoxy conductivity cell K = 1.0 with ATC
A1004	Epoxy conductivity cell K = 0.1 with ATC
A1005	Epoxy conductivity cell K = 10.0 with ATC

## Specifications

Range pH	0 to 14.00 pH
Ranges $\mu$ S	0 to 199.9 $\mu$ S or 0 to 1999 $\mu$ S
Range mS	0 to 19.99 mS
Range oC	-50oC to +150 oC
Resolution	0.01 pH or 1 mV
Resolution	0.1 $\mu$ S, 1.0 $\mu$ S and 10 $\mu$ S depending on the range in use
Temperature	0.1oC
Accuracy pH	$\pm$ 0.02 pH
Accuracy Conductivity	$\pm$ 1.0 to 1.5% of range in use
Accuracy Temperature	0.5 oC
Temp Comp pH	Automatic 0 - 100°C. Without sensor fixed at 25oC
Temp Comp Conductivity	Automatic from 0 - 50°C.
Referance Temperature	25°C.
Temperature coefficient	2% / °C.
Calibration	Span & zero
Readout	12.5mm LC Display 3.5 digits
Power requirements	One 9 Volt PP3 Alkaline battery
Battery indicator	LOBAT displayed on readout
Battery life	> 200 hours continuous
Dimensions	145 x 80 x 38, L x W x H
Weight	400 grams.
Warranty	One year (excluding sensors).

## PC18 Portable pH / $\mu$ S / °C Meter

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