50300APH
INTELLIGENT PH DIGITAL METER

for multi purpose operation

temperature

pH electrod

easy to use

DESCRIPTION

- The 50300APH is a multi-purpose and economical portable meter. Each probe has built-in signal conditioning so scaling or calibrating of the instrument is not required and the correct units of measurement are automatically displayed. pH pointed probe electrode to penetrate fruit, meat, cheese, etc.
- Microprocessor circuit assures maximum possible accuracy
- Expandable plugs satisfy your different measurement demands on time on pH measurement
- Wide application: water condition, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, school and college
- Record maximum and minimum readings
- Data Hold, °C/°F, RS-232 computer interface
- Auto shut off saves battery life
- Built-in low battery indicator
- Auto (optional probe) / manual (built-in) temperature compensation function enables accurate measurement on different solutions
- Heavy duty & compact housing case designed
- PH function with high input impedance avoids measuring error

50300APH
INTELLIGENT PH DIGITAL METER
for multi purpose operation

SPECIFICATIONS

- Circuit: Custom one-chip of microprocessor LSI circuit
- Display: Dual function meter's display, 13 mm super large LCD display
- Measurement: pH (0-14) / mV (± 1999 mV)
- Input impedance: 10^{12} ohms
- Temperature compensation for pH/EC measurement: Manual (0-100 °C) / Automatic (ATC): With the optional temperature probe (YK-200STC), 0-65°C
- Power off: auto power off saves battery life or manual shut off by push button
- Data hold: to hold the reading values on display
- Data record: record Max. Min. reading values on the display
- Data output: RS-232C PC serial interface
- Over load indication: "------" on the display
- PH electrode: any combination pH electrode with BNC connector
- Operating temperature: 0°C to 50°C (32°F to 122°F)
- Operating humidity: less than 80% RH
- Sampling time: approx. 0.8 second
- Power supply: 006P DC 9V, MN1604 (PPS) battery or equivalent Alkaline or heavy duty type
- Weight: 250 gr.
- Size: 195 x 68 x 30 mm

ELECTRICAL SPECIFICATIONS

Measurement:	pH	mV
Range:	0 to 14 pH	± 1999 mV
Resolution:	0.01 pH	1 mV
Accuracy:	± (0.02pH + 2d)	± (0.5% + 2d)