

## Foodcare

HI99192

## Portable pH Meter

for Drinking Water

- Simultaneous pH and temperature measurements on a large dual-line LCD display
- User-friendly two button design
- Application specific probe
- Durable IP67 waterproof casing
- Watertight probe connection
- Probe condition indicator
- Automatic pH calibration at one or two points within two memorized buffer sets (standard or NIST)
- On-screen calibration tags
- mV of pH measurement for electrode check
- Selectable temperature unit (°C or °F)
- Auto-off function
- Battery life indication and low battery detection



- Optional shockproof silicon rubber boot
  - Specially designed to protect your instrument from damage or impact

**HI710028** Orange  
**HI710029** Blue  
**HI710030** Green

HI99192 is a portable, lightweight pH meter that is supplied with a FC2153 pH electrode designed specifically for measuring the pH of potable waters.

The pair are ideal for on-site spot checks of drinking water. The pH of potable water is fundamental to ensure safe water quality. If the pH is too low, drinking water will be corrosive to the distribution system and water pipes in homes. If it is too high, it can reduce the effectiveness of disinfectants. The pH of water also influences aesthetic or cosmetic properties including taste, odor, and, clarity. Most public water operations maintain pH between 6.5 and 8.5.

The HI99192 together with the FC2153 pH electrode solves all the problems found with standard pH systems. This specialized electrode offers numerous features that improve pH testing in drinking water. The spherical pH bulb features a low resistance pH glass that responds quickly to the sample (even at cold temperatures). It also has a refillable single junction Ag/AgCl reference that is used with a KCl electrolyte and has three ceramic junctions to ensure continuity and provide quick and reproducible measurements (even in low ionic strength waters).

## Specifications

## HI99192

pH	Range*	-2.00 to 16.00 pH / -2.0 to 16.0 pH
	Resolution	0.01 pH / 0.1 pH
	Accuracy (@25°C/77°F)	±0.02 pH / ±0.1 pH
	Calibration	Automatic, one or two-point selectable bufferset standard: 4.01; 7.01; 10.01 or NIST: 4.01; 6.86; 9.18
pH-mV	Range*	±825 mV
	Resolution	1 mV
	Accuracy (@25°C/77°F)	±1 mV
Temperature	Range*	-5.0 to 105.0°C; 23.0 to 221.0°F
	Resolution	0.1°C; 0.1°F
	Accuracy (@25°C/77°F)	±0.5°C (up to 60°C), ±1.0°C (outside); ±1.0°F (up to 140°F), ±2.0°F (outside)
Additional Specifications	Temperature Compensation	automatic, from -5.0 to 105.0°C (23.0 to 221.0°F)
	Probe (included)	FC2153 pH electrode with internal temperature sensor, with DIN connector and 1 m (3.3') cable
	Battery Type / Life	1.5V AAA (3) approx. 1400 hours of continuous use
	Auto-off	user selectable: after 8 min, 60 min or disabled
	Environment	0 to 50°C (32 to 122°F); RH max. 100%
	Meter Dimensions	154 x 63 x 30 mm (6.1 x 2.5 x 1.2")
	Meter Mass (with batteries)	196 g (6.91 oz.)
	Case Ingress Protection Rating	IP67
Ordering Information	<b>HI99192</b> is supplied with FC2153 pH electrode with internal temperature sensor, with Quick Connect DIN connector and 1 m (3.3') cable, pH 4.01 and 7.01 buffer sachets, HI700601 general electrode cleaning solution sachets (2), 100 mL beaker, 1.5V AAA batteries (3), calibration certificate of meter, calibration certificate of probe, instruction manual and HI710142 rugged carrying case.	

\* the FC2153 is limited to be used from 0 to 12 pH and from 0 to 70 °C temperature (32 to 158 °F).