

pH Meter and Indicator with Alarm for HACCP and QC



HI 981400 is an indicator designed to check the pH of foodstuffs. The pH value ranks as one of the most important indicators of food quality and safety. pH of raw ingredients such as milk and meat is measured to ensure that quality standards have been properly met. pH is also monitored at different stages of food preparation and processing to guarantee safety, improve production and enhance quality. Along with temperature and water activity, pH also determines the shelf life of foodstuffs. For example, by bringing the pH value below 4.5, growth and multiplication of pathogens are inhibited.

HI 981400 is compact and affordable. It has a large LCD display and comes with a molded eye for hanging. It can be hung at a convenient position above a QC bench, or at the goods-in area. Through a trimmer on the back of the unit, an ideal pH value can be set between 4.0 and 7.5 pH. Should the pH exceed this user-selectable limit, an incorporated LED starts flashing to signal an abnormality. This is an important feature that permits the control of pH to be delegated to operators with less technical skills.



Specifications

HI 981400	
Range	0.0 to 14.0 pH
Resolution	0.1 pH
Accuracy (@20°C/68°F)	±0.2 pH
Calibration	manual, 2-point, at pH 4 and 7
Setpoint	adjustable from 4.6 to 7.5 pH
Alarm	red LED (blinks when pH reading > setpoint)
Input impedance	10 ¹² Ohm
Power supply	12 Vdc adapter (included)
Environment	0 to 50°C (32 to 122°F); RH max 100%
Dimensions	86 x 110 x 43 mm (3.4 x 4.3 x 1.7")
Weight	150 g (5.3 oz.)

Ordering Information

HI 981400 is supplied complete with 12 Vdc adapter, pH 4 and pH 7 calibration solutions (20 mL each), calibration screwdriver and instructions.

Accessories

FC 200B	pH electrode for food and HACCP, with BNC connector	HI 7007M	pH 7.01 calibration solution, 230 mL bottle
FC 230B	pH electrode for meat, with BNC connector	HI 77400P	pH 4 and pH 7 sachets (20 mL, 5 pcs each)
FC 098	Stainless steel blade for meat penetration, 20 mm	HI 70300M	Electrode storage solution, 230 mL bottle
FC 099	Stainless steel blade for meat penetration, 35 mm	HI 7061M	Electrode cleaning solution, 230 mL bottle
HI 70000P	Electrode rinsing solution, 20 mL sachet, 25 pcs	HI 710005	115 Vac/12 Vdc power adapter, US plug
HI 7004M	pH 4.01 calibration solution, 230 mL bottle	HI 710006	230 Vac/12 Vdc, European plug

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH electrodes, see section E.