

HACCP Compliant pH Meter for Meat



- **Two blade lengths available**
Use the optional FC 098 (20 mm) or the included FC 099 (35 mm) stainless steel meat penetration blades for meat processing applications

- Specialized pre-amplified pH probe with stainless steel penetration blade
- Multi-level LCD display
- On-screen tutorial messages for calibration and set-up
- Automatic Temperature Compensation
- Automatic one or two point calibration
- BEPS (Battery Error Prevention System) alerts the user in the event that low battery power could adversely affect readings
- Battery % displayed on startup
- Compact, heavy-duty, and waterproof
- Easy to clean and keep clean

HI 99163 is a portable pH/temperature meter designed for the meat processing industry to ensure a quality product.

The FC 232D pre-amplified pH electrode and removable stainless steel blade enables users to perform unintrusive measurements on meat products inside and out. The free diffusion junction helps to avoid a clogged reference and the external body material is non-toxic and food compatible.

ORDERING INFORMATION

HI 99163 is supplied with FC 432D pH/temperature probe with FC 099 stainless steel blade tip, HI 70004 pH 4.01 buffer solution sachet, HI 70007 pH 7.01 buffer solution sachet, HI 700630 electrode acid cleaning solution sachets for meat, grease and fats (2), batteries, instructions and hard carrying case.

ELECTRODES

FC 432D	PVDF body, pre-amplified pH electrode with internal temperature sensor, DIN connector, 1 m (3.3') cable
FC 098	20 mm stainless steel blade
FC 099	35 mm stainless steel blade

SOLUTIONS

HI 5004L	pH 4.01 buffer solution, 500 mL
HI 5068L	pH 6.86 buffer solution, 500 mL
HI 5007L	pH 7.01 buffer solution, 500 mL
HI 5010L	pH 10.01 buffer solution, 500 mL
HI 70300L	Electrode storage solution, 500 mL
HI 700630P	Acid cleaning solution for meat, grease and fats, 20 mL sachets (25)
HI 70631L	Alkaline cleaning solution for meat grease and fats, 500 mL
HI 70632L	Cleaning & disinfection solution for blood products, 500 mL

ACCESSORIES

HI 710023	Orange protective rubber boot
HI 710024	Blue protective rubber boot

SPECIFICATIONS		HI 99163
Range	pH	-2.00 to 16.00 pH
	Temperature	-5.0 to 105.0°C/23.0 to 221.0°F
Resolution	pH	0.01 pH
	Temperature	0.1°C/0.1°F
Accuracy (@20°C/68°F)	pH	±0.02 pH
	Temperature	±0.5°C (up to 60°C), ±1.0°C (outside) / ±1.0°F (up to 140°F); ±2.0°F (outside)
pH Calibration	automatic one or two point calibration with two sets of memorized buffers (Standard 4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18)	
Temperature Compensation	automatic, -5.0 to 105.0°C (23 to 221°F)	
Electrode (included)	FC 432D pre-amplified pH probe with internal temperature sensor, DIN connector and 1 m (3.3') cable	
Battery Type / Life	1.5V AAA (3) / approximately 1200 hours of continuous use. auto-off after eight minutes of non-use	
Environment	0 to 50°C (32 to 122°F); RH max. 100%	
Dimensions	152 x 58 x 30 mm (6.0 x 2.3 x 1.2")	
Weight	205g (7.2 oz.)	

For a complete list of Solutions and Electrodes, see the end of this section.