

HI99161

Portable pH Meter

for Food and Dairy

- For HACCP compliant testing
- Automatic Temperature Compensation (ATC)
- Two-Point calibration
- Battery Error Prevention System (BEPS)
 - Alerts the user of low battery power that could adversely affect readings
- Waterproof
 - Compact, heavy-duty, and waterproof protected casing
- Battery life indicator
 - Battery percentage displayed on startup
- Help feature
 - Tutorial messages displayed on LCD

The HI99161 is a portable pH and temperature meter is designed specifically for dairy applications. Monitoring pH in the dairy process is critical to ensure the quality of product is upheld.

The FC202D pH electrode features a rugged, easy to clean PVDF body with a conical tip making it ideal for measurements in semi-solids such as meats and cheeses. The FC202D uses a free diffusion sleeve type reference junction which prevents the typical problems of clogging in viscous liquids such as milk or condiments.

- **Specialized electrode**
 - The FC202D is the ideal electrode to measure the pH of milk, yogurt, meats, cheeses, fruit, sushi, rice, jams, jellies, dough, ice cream, yogurt, beverages and juice



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

HI710023 Orange

HI710024 Blue

* Limits will be reduced to actual sensor limits



Specifications

| | | HI99161 |
|-----------------------------|--------------------------|---|
| pH* | Range | -2.00 to 16.00 pH |
| | Resolution | 0.01 pH |
| | Accuracy | ±0.02 pH |
| | Calibration | one or two-point calibration, two sets of standard buffers available (4.01, 7.01, 10.01 or NIST 4.01, 6.86, 9.18) |
| | Temperature Compensation | automatic from -5.0 to 105.0°C (23 to 221°F) |
| Temperature* | Range | -5.0 to 105.0°C; 23.0 to 221.0°F |
| | Resolution | 0.1°C; 0.1°F |
| | Accuracy | ±0.5°C (up to 60°C), ±1.0°C (outside); ±1.0°F (up to 140°F), ±2.0°F (outside) |
| Additional Specifications | Electrode | FC202D Glass body, pre-amplified pH electrode with conical tip, internal temperature sensor, DIN connector and 1 m (3.3') cable (included) |
| | Battery Type / Life | 1.5V AAA (3) / approximately 1200 hours of continuous use |
| | Auto-off | after 8 minutes of non-use |
| | Environment | 0 to 50°C (32 to 122°F); RH max. 100% |
| | Dimensions / Weight | 152 x 58 x 30 mm (6.0 x 2.3 x 1.2") / 205 g (7.2 oz.) |
| Ordering Information | | HI99161 is supplied with FC202D pH and temperature probe, HI70004 pH 4.01 buffer solution sachet, HI70007 pH 7.01 buffer solution sachet, HI700642 electrode cleaning solution sachets (2), batteries, instructions and hard carrying case. |

pH solutions begin on page 3.100

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