

# pH Spear

for *food*  
*testing*

pH Tester with *Spear* Electrode

Tester with tough spear tip electrode,  
 $\pm 0.01$  pH Accuracy



**EUTECH**  
**INSTRUMENTS**

*Technology Made Easy ...*



**ISO 9001**  
CERTIFIED



**pH is one of the key parameters measured in food processing. The Eutech waterproof pH Spear with tough, spear tip open pore sensor is a rugged, user-friendly tester ideal for direct measurement of solid or semi-solid samples such as cheese, meats, fruits, bread and other similar samples.**

**More importantly, the pH Spear is an easy-to-clean, fuss-free pH tester specially designed for the food professional.**



#### LARGE SCREEN DISPLAY

27mm (H) x 21mm (W) large LCD display makes it easy to read even if tester is held at a distance..



#### ONE HAND OPERATION

One hand operation is possible with wireless electrode. Eyelet allows you to attach a lanyard for greater portability.

#### TOUGH, OPEN PORE SPEAR TIP ELECTRODE

Durable glass spear tip electrode, enclosed in a resilient engineered plastic body is ideal for piercing solid or semi-solid food samples in direct measurement.



#### WATERPROOF, UNIQUE RIBBED DESIGN

IP67 waterproof housing protects against high humidity or condensation. Unique ribbed design ensures firmer grip when wet or greasy.



#### REPLACEABLE ELECTRODE

With the replaceable electrode you can reuse the tester and save money over time. Twist-off sensor design allows easy replacement of electrode anytime.



Open pore reference junction minimizes clogging and delivers fast, stable measurements. Double junction sensor prolongs useful life of electrode with no contamination of samples. Maintenance is easy. Simply wash with mild detergent.

#### SELF-DIAGNOSTIC MESSAGES:

- ▣▣▣▣ : Battery power-level indicator
- Or / Ur : Over or under-range, for pH values
- Er.1 : pH calibration error

#### WARRANTY

Eutech Instruments warrants its testers free from manufacturing defects for 2 years and electrodes for 6 months.

#### APPLICATIONS

- Bread • Meat • Cheese • Salami • Ice-cream • Poultry • Fruits • Other Dairy Products.



#### METER SPECIFICATIONS

Large Screen Tester	pH Spear
pH Range	-1.00 to 15.00 pH
Resolution	0.01 pH
Accuracy	±0.01 pH
Calibration Points	Up to 3 points
Calibration Buffer Option	USA - pH 4.01/7.00/10.01 NIST - pH 4.01/6.86/9.18
Sensor	Combination double junction spear tip, open pore
Auto-Power Off	After 8.5 minutes from last key press
User Reset	Yes
Non-Volatile Memory Backup	Yes
LCD Display	Custom dual line display
Power Requirement	4 x 1.5V "A 76" micro Alkaline Batteries
Battery Life	More than 500 hrs
Operating Temperature	0 – 50 °C
Dimensions/Weight	Tester : 24 cm x 3.8 cm; 103g Boxed : 25.5cm x 13.5cm x 7.5cm; 240g

#### ORDERING INFORMATION

Order No.	Item
EC-PHSPEAR	Waterproof pH Tester with Spear tip electrode
EC-PHWPSEN04	Replacement Double Junction Spear tip sensor
33X367001	Lanyard, Eutech
60X017004	Alkaline Button Cell Batteries (2 pieces per pack)

Eutech also provides tester accessories and calibration standards. Refer to separate brochures for information.

Note: We reserve the right to make changes, improvements and modifications to products shown.

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