

# Eutech Elite pH Spear Pocket Testers

The Eutech Elite pH Spear Pocket Tester features a spear tip open pore sensor. This rugged and user-friendly tester is ideal for direct measurement of solid or semi-solid samples such as cheese, meat, fruit, bread and more. Used in applications such as hydroponics, food and beverage, environmental, drinking water, wastewater, agriculture, aquaculture and aquariums, pools and spas, education, and industrial (cooling towers).



| Specifications                     |                                                                                                |                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------|
| pH                                 | Range                                                                                          | -1.00 to 15.00 pH                                  |
|                                    | Resolution                                                                                     | 0.01 pH                                            |
|                                    | Relative accuracy                                                                              | ±0.02 pH                                           |
|                                    | Calibration points                                                                             | Up to 3 points                                     |
|                                    | Buffer set standard selection                                                                  | USA - 4.01, 7.00, 10.01<br>NIST - 4.01, 6.86, 9.18 |
|                                    | Calibration window                                                                             | ±1.00 pH                                           |
|                                    | Calibration type                                                                               | Point to point                                     |
| Temperature                        | Range                                                                                          | 0 to 60.0°C<br>32.0 to 140.0°F                     |
|                                    | Resolution                                                                                     | 0.1 °C, 0.1°F                                      |
|                                    | Compensation                                                                                   | Yes, manual input                                  |
|                                    | Input window                                                                                   | 0 to 60.0°C<br>32.0 to 140.0°F                     |
| Accessories                        | Replacement pH spear sensor, soft carry case, lanyard, clear sample/storage cap, AAA batteries |                                                    |
| General                            | Display                                                                                        | Graphic, dot matrix<br>80 x 100 pixel              |
|                                    | Backlight                                                                                      | Yes, selectable (30 sec from the last key press)   |
|                                    | Auto shutoff                                                                                   | 8.5 min (from last key press)                      |
|                                    | Reset                                                                                          | User, factory                                      |
|                                    | Hold function                                                                                  | Yes                                                |
|                                    | Power requirements                                                                             | 4 AAA batteries                                    |
|                                    | Battery life                                                                                   | >250 hr (pH, ORP, pH spear)<br>>150 hr (CTS, PCTS) |
|                                    | Ingress protection                                                                             | IP67 waterproof                                    |
| Environmental operating conditions | Regulatory certifications                                                                      | CE, FCC                                            |
|                                    | Operating temp.                                                                                | 5 to 45°C                                          |
|                                    | Relative humidity                                                                              | 5 to 85% non-condensing                            |

| Ordering Information                                    |                 |
|---------------------------------------------------------|-----------------|
| Product Description                                     | Cat. No.        |
| <b>Pocket Tester</b>                                    |                 |
| Eutech Elite pH Spear Pocket Tester                     | ELITEPHSPEAR    |
| Eutech Elite pH Spear Pocket Tester kit                 | ELITEPHSPEARKIT |
| Replacement pH spear sensor                             | 01X001538       |
| <b>pH buffer sachets</b>                                |                 |
| pH 4.01 buffer (NIST traceable),<br>20 x 20 ml sachets  | ECBU4BS         |
| pH 7.00 buffer (NIST traceable),<br>20 x 20 ml sachets  | ECBU7BS         |
| pH 10.01 buffer (NIST traceable),<br>20 x 20 ml sachets | ECBU10BS        |
| pH electrode rinse solution<br>20 x 20 ml sachets       | ECRINWT         |
| <b>Storage and cleaning solutions</b>                   |                 |
| Storage solution for pH sensor, 480 ml                  | ECRE005         |
| Protein remover solution, 480 ml                        | ECDPCBT         |