

# Field Monitors

for pH and ORP



*Continuous  
24-hour monitor  
for pH and ORP*

**ISO 9001**  
CERTIFIED

- Microprocessor Based
- Non-stop 24-hr Monitoring
- Push Button Calibration
- Bright LED Display
- $\pm 0.1$  pH Accuracy
- Up To 3-point Calibration
- Automatic Buffer Recognition (pH)
- $\pm 5$  mV ORP Accuracy

**EUTECH**  
**INSTRUMENTS**  
*Technology Made Easy...*



ORP Field Monitor



BNC Connector



Large LED



Electrodes

**Eutech's 24-hr pH and ORP monitors are equipped with an Application Specific Integrated Circuit (ASIC). The ASIC provides a high level of sophistication with advanced features, and yet maintains a user-friendly interface. These value-for-money pH and ORP monitors meet the requirements for continuous pH and ORP monitoring.**

#### PUSH-BUTTON CALIBRATION

Calibration is screwdriver free, quick and easy. Automatic pH buffer recognition minimizes calibration error if incorrect buffers are used. pH 7 buffer tablets (to be dissolved in distilled water) are provided for one-point calibration. 3-point push button calibration at buffer values of 4, 7 and 10 gives you up to  $\pm 0.1$  pH accuracy across acid and alkali range. ORP monitor calibration to a known standard is done using increment/decrement keys. Offset adjustment up to  $\pm 150$  mV is possible.

#### SPLASH-PROOF KEYPAD

Keypads are splash-proof and designed for easy finger touch operation. Tangible feedback confirms key selection - frees you from guesswork.

#### RUGGED EPOXY BODY ELECTRODES

Unlike conventional electrodes, these rugged epoxy body electrodes have a polymer gel which is non-degradable and resistant to bacterial and fungal attack. In addition, the double-junction electrodes have the reference element isolated within a second chamber, minimizing contamination, making it longer lasting than most electrodes.

#### POWER SUPPLY

The pH & ORP monitors operate on 220 VAC / 110 VAC input (select suitable power adapter).

#### INNOVATIVE DESIGN

The monitor is lightweight and designed to hang easily on any flat surface like a wall, glass tank, on a container, almost anywhere. The bright LED ensures reading can be seen from a distance even in the dark. A polymer float is provided as standard accessory to make electrode-installation easy.

#### APPLICATION

Perfectly ideal for any situation where 24-hour monitoring is necessary. It can be used in

- aquariums • fish farms • shrimp farms • swimming pools • agriculture • hydroponics
- drinking water • aeroponics and other simple processes.

#### WARRANTY

Eutech Instruments warrants its products free from manufacturing defects. Refer to warranty card supplied with meter for more details.

#### Specifications: pH & ORP Field Monitors

pH	
pH Range	0.0 to 14.0 pH
Resolution / Accuracy	0.1 pH / $\pm 0.1$ pH
Calibration	Up to 3 points
Calibration Buffers	pH 4, 7 and 10
Automatic Buffer Recognition	Yes
ORP	
ORP Range	0 to 995 mV
Resolution / Accuracy	5 mV / $\pm 5$ mV
User Calibration	Offset $\pm 150$ mV
Operating Temperature	0 to 50 °C
Inputs	BNC
Display	3 digit LED (Red)
Power Requirements	AC / DC adapter 9V, 200 mA
Dimension/Weight	Meter: 19 x 10 x 6 cm ; 80g Boxed: 24 x 23 x 7 cm ; 550g

#### ORDERING INFORMATION

Order No.	Item
EC-PHFM1ST11	pH monitor with EC-120-ADA & EC-FE72522-02B
EC-PHFM1ST21	pH monitor with EC-220-ADA & EC-FE72522-02B
EC-ORPFM1ST11	ORP monitor with EC-120-ADA & EC-FE79602-02B
EC-ORPFM1ST21	ORP monitor with EC-220-ADA & EC-FE79602-02B
EC-FE72522-02B	Epoxy-body double-junction pH combination electrode, 2-metre cable
EC-FE79602-02B	Epoxy-body double-junction ORP combination electrode, 2-metre cable
EC-120-ADA	Power adapter, 110/120 VAC to 9 VDC
EC-220-ADA	Power adapter, 110/220 VAC to 9 VDC
EC-BU-7BX	pH 7 buffer tablets (1 box = 10 strips = 100 tablets)

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

Distributed By: