

CyberScan

pH 6500

pH/pH FET/ORP/Temperature/Ion

ISE Measurement Simplified

Ion selective electrode (ISE) measurement has never been this easy. With dual-channel capability, there is no need to recalibrate every time you switch from pH to ISE measurement. The Eutech CyberScan pH 6500 displays the ion name right on the measurement screen so you will never have the wrong ISE curve.

Addition/subtraction methods are almost foolproof. The pH 6500 prompts you through the method steps, allowing easy entry of volumes and concentrations, and providing you with the sample concentration without tedious paper calculations.



Features

- Up to two channels measured and displayed simultaneously without cross channel interference.
- Wide pH and mV measurement range: -2.000 to 20.000 pH and ± 2000.0 mV
- 'Direct/Indirect', 'Known Addition/Subtraction' and 'Analate Addition/Subtraction' Ion measurement methods in ppm, %, mg/mL and mole/L.
- Automatically corrects for temperature effects with separate ATC (Automatic Temperature Compensation) probe in each channel.
- Advanced real-time on screen graphing function provides useful indication for specific measurements such as titration.
- Extensive setup screens enable you to customise meter to your needs, e.g. Isopotential Point, Temperature Units, Ion method, ISE Electrode Type, Alarm Limits and other functions.
- Windows® CE-driven, full-color touchscreen provides unmatched ease of use in operations and setups with user-friendly icons, user prompts and context specific 'help' screens.
- Advanced USB, IRDA connectivity allows extensive host/device communication capabilities.
- Ethernet/Internet-ready with RJ45 input for connection to LAN or Internet for quick research and data sharing.
- Secure log-in for up to ten users.

Specifications

Display	640x480 digit LCD
screen size	4 1/2" x 6"
menu options	extensive
help screens	extensive
configurable display	yes
keypad controls	context specific touchscreen

General	
inputs/outputs	BNC, ATC, DIN (FET) RS232, USB-B, USB-A, RJ45
electrical requirements	115 V/60 Hz, 230 V/50 Hz
output from PSU	9VDC, 3.3A center negative
line voltage tolerance	$\pm 10\%$
input impedance	$>10^{12}$ ohms
meter size	16.5 x 23.5 x 9cm
meter weight	1.2 kg

Memory	10,000 data pts
internal diagnostics	yes
programmable data storage	store on stable, time, manual
programmable data output	timed or logged data
print interval	3 to 86400 sec
programmable alarm	yes

pH Mode	
range	-2.000 to 20.000
resolution	0.1/0.01/0.001
relative accuracy	$\pm 0.1/0.01/0.002 + 1$ LSD
automatic buffer recognition	yes
manual buffer recognition	yes
calibration points	5
auto lock	yes
FET	yes

mV Mode	
range	± 2000.0
resolution	0.1
accuracy	± 0.2

Ion Mode	
range	1×10^{-7} to 9.99×10^{10}
resolution	2, 3 or 4 digits
relative accuracy	$\pm 0.17n\%$ (n=ion charge)
calibration points	5

Temperature Mode	
range	-5.0 to +105.0 °C
resolution	0.1 °C
accuracy	± 0.2 °C

Operating Mode	
operating temperature	5-45 °C
operation humidity	5-80 % noncondensing
maximum operating altitude	2000m
installation category	II
pollution category degree	2

Dimensions/Weight	
Meter Size	16.5 x 23 x 8.9 cm
Meter Weight	1100 g

Order Information

EC-PH6500/42S

CyberScan pH 6500 Bench pH/pH FET/Ion/mV USB, RJ 45, IrDA, SD card reader, RS232 Meter with pH electrode (EC620130), ATC probe (EC62019), integral electrode holder, pH buffer sachets and SMPS power adapter.

