



CyberScan 1500 Series Bench Meters

- pH • ORP • Conductivity • TDS
- Resistivity • Dissolved Oxygen



SOLUTIONS FOR WATER ANALYSIS

EUTECH
INSTRUMENTS
Technology Made Easy ...



Corporate Profile

EUTECH
INSTRUMENTS
Technology Made Easy ...

| Over 15 Years of Product Excellence | Eutech Instruments is a leading ISO9001-certified company established in 1990. Dedicated to the design and manufacture of sensor-based instruments for water quality analysis, Eutech is a pioneer in the development of ASIC-based (Application Specific Integrated Circuit) instruments, and is internationally recognised for its achievements in sensor technology, software programming and product design. Eutech has an extensive product line, which includes the world's first Windows® CE-driven colour touchscreen research-grade bench meter, as well as instruments with proprietary patents and trademarks.

| Commitment to R&D | Eutech's competitiveness comes from our strong commitment to R&D. This is backed by a dedicated team of scientists and engineers who thrive on meeting new technological challenges to simplify laboratory and field analytical procedures. The Eutech team is constantly driven to explore the latest technologies and applying them in our design and manufacture of advanced instruments. The result is a unique line of products that are accurate, consistent, reliable and easy to use.

| Comprehensive Product Line | Eutech's constant drive for innovation is reason for our unique and expansive portfolio of microprocessor-based instruments and chemical sensor systems. We offer a comprehensive range of laboratory and field instruments for electrochemical and photometric water analysis. Eutech also manufactures continuous on-line process instruments for the monitoring and control of pH, Conductivity, Total Dissolved Solids (TDS), Redox Potential (ORP), Dissolved Oxygen (DO) and other water quality parameters.

Eutech products range from compact pocket testers and portable meters to research-grade benchtop meters and industrial process controllers. Each product carries the signature Eutech intuitive design and is packed with advanced user-friendly features.

| Customer Focus | Every Eutech innovation is conceptualised with the user in mind. This, coupled with our strategic location in the design and technology hub of Asia, has enabled the company to produce cutting edge instruments at competitive prices. Our consistent demonstration of insight into customer needs and product demands has earned the company consecutive Frost & Sullivan Market Engineering awards for Product Line Strategy.

Driven by a successful Total Customer Satisfaction Program incorporated in the ISO9001:2000 Quality System, all products undergo extensive testing and calibration by a qualified team of technical experts. Stringent quality control measures guarantee consistency, durability and performance. Eutech products are certified to comply with various global testing standards.

| Forging New Frontiers in Water Analysis | Underlying Eutech's objective to be a world leader in the field of water analysis instrumentation, the company adopts a proactive stand in anticipating the needs of the industry. With increasing global awareness and concern for water quality, the future provides new and exciting challenges and opportunities. To realize the potential of advanced water analytical technologies, Eutech will continue to forge close links and strategic alliances with research institutions, government agencies and private sector firms worldwide. These efforts support the Eutech mission – to make advanced technology easy to use.

| Global Reach | Eutech products are marketed in over seventy countries worldwide, through an extensive network of associate companies and distributors, with manufacturing facilities in Singapore and Malaysia. Eutech Instruments Singapore has a full-fledged value-chain operation which comprises R&D, manufacturing, marketing, customer service and logistics for worldwide support to customers.

| Thermo Fisher Scientific | Eutech is part of Thermo Fisher Scientific, the world leader in serving science. Thermo Fisher Scientific enables customers to make the world healthier, cleaner and safer by providing analytical instruments, equipment, reagents and consumables, software and services for research, analysis, discovery and diagnostics. With annual sales of more than \$9 billion, Thermo Fisher Scientific has 30,000 employees and serves more than 350,000 customers in pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies as well as environmental, industrial quality and process control settings.

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Main Features

- Sophisticated
- Highly-Customisable
- Intuitive
- Self-Diagnostic
- Low Maintenance
- Bi-Directional RS232



Complimentary Comprehensive CyberComm Data Acquisition Software (DAS)
 Each meter comes with a complimentary CyberComm DAS, allowing you to control meter remotely from your computer, and acquire data from your meter in an organised, professional format (works with Microsoft Excel © or Notepad ©/WordPad ©)



Detachable Electrode Stand keeps multiple electrodes and messy cables neat and organized. Choose to fix detachable electrode stand on either side of meter, or store away to save space



Tactile Keypad for User-Friendly, Intuitive Operation
 7 function keys control all procedures. Plain language prompts guide users through operation



One-Glance-Tells-All Screen
 7 function keys control all procedures



More Durable
 With scratch-resistance LCD screen and splashproof keypad

Large, Clear LCD Screen
 Big-screen display with large characters for a wide viewing angle

No Guesswork
 Stability indicator prompts when reading has stabilized

Standby Power Saver Mode saves energy when meter is not in use, and starts up quickly when needed

Automatic Temperature Compensation
 Accurate readings regardless of varying temperature conditions



RS232 Bi-Directional Communication Port
 For quick, seamless data transfer to computers and printers

BNC Input
 Accepts a wide variety of BNC electrodes

Eutech CyberScan pH 1500



CyberScan pH 1500

pH / ORP / Temperature

Intuitive, self-diagnostic and flexible with advanced set-up options for user-customisation – the Eutech CyberScan pH 1500 measures pH, absolute mV and relative mV with up to 3-decimal accuracy at 0.001 pH resolution. Calibration is a breeze: meter auto-calibrates with up to 6 pH buffers from three selectable buffer sets.

- No adapters required – meter accepts a wide variety of BNC electrodes, and allows the direct use of standard glass pH combination electrodes, half-cell and non-glass solid-state FET pH electrodes
- Electrode status in a glance – electrode diagnosis icon indicates the condition of your pH electrode. Meter also alerts with “Electrode Error” message when it detects an error in electrode response
- Choose between faster results or more precise readings with selectable resolution of up to 0.01 pH and accuracy of up to ± 0.002 pH
- Auto-buffer recognition with choice of 3 different buffer sets, containing a total of 15 buffers altogether
- Convenient customisation of meter operation with a total of 12 set-up menus for pH measurement and 4 for ORP measurement
- Toggle between pH, absolute mV and relative mV easily with one button pressed

Applications: • Environmental studies • Chemical laboratories • Quality assurance testing • Food science
• Ecological studies • Education institutes



Eutech CyberScan CON 1500



CyberScan CON 1500

Conductivity / Total Dissolved Solids / Resistivity / Temperature

High-end conductivity measurement in the laboratory is simple with Eutech's CyberScan CON 1500. Featuring auto-standardisation, auto-calibration and auto-ranging capabilities, the bench meter accepts 2-cell and 4-cell electrodes, giving you a broad range of measurement at $\pm 0.5\%$ full scale accuracy. Meter comes with bi-directional RS232 capabilities for two-way communication with computer or printer, and a complimentary Data Acquisition Software (DAS) that allows you to work on meter remotely via your computer.

- Choose between the convenient auto-calibration with preset calibration values, or manual multi-point calibration for greater flexibility and precision
- Standardisation is a breeze – meter features auto-standardisation, allowing you to detect the exact cell constant value of your electrodes with a button pressed
- Monitoring efficiency of your probe is easy with the Effective Cell Constants Display
- Built-in replatinizing circuit – quick, hassle-free replatinization in 5 minutes
- Meter comes with 4-cell electrode with built-in ATC – no need for separate ATC electrode

Applications: • Environmental studies • Chemical laboratories • Quality assurance testing • Food science
• Ecological studies • Education institution



Eutech CyberScan DO 1500



CyberScan DO 1500

Dissolved Oxygen / Temperature

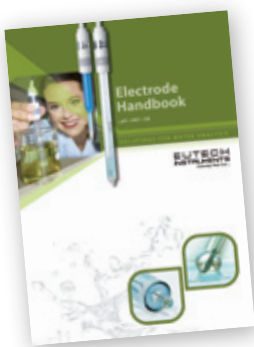
Eutech's CyberScan DO 1500 is designed for optimal performance and versatility, while preserving Eutech's signature user-friendly qualities. Self-diagnostic, intuitive with advance set-up options for user-customisation, the CyberScan DO 1500 features BOD testing capabilities and comes with bi-directional RS232 interface for seamless data transfer to your computer or printer.

- Measures Dissolved Oxygen in % saturation, ppm and mg/L at ± 0.5 % full scale accuracy
- Automatic calibration at 100 % and independent 0 % calibration enhances sensitivity during low oxygen measurement
- Automatic compensation after manual input of Barometric Pressure and Salinity values
- Meter comes with polarographic self-stirring DO/BOD electrode (US EPA approved)

Applications: • Environmental studies • Wastewater and water treatment • Ecological studies
• Education institution



Eutech CyberScan 1500 Series Bench Accessories



Electrode Handbook
(Order No.: 08X233502)

| Electrodes | Eutech offers an extensive selection of epoxy and glass-body electrodes for a wide range of parameters and applications. Combination designs are convenient and require no separate sensing and reference half-cell electrodes. Request for your complimentary copy of our electrode handbook now!

| Buffer & Calibration Solutions (480 ml) | Eutech Buffers and Calibration Solutions are available in packs of 480 ml durable plastic bottles – economical and convenient for laboratory use. (MSDS and COA can be downloaded under “Support” at <http://www.eutechinst.com>)

| Calibration Sachets (20 x 20 ml Per Box) | Economical NIST traceable sachets offer quick, accurate and convenient calibration. Simply insert electrode into sachet pack, calibrate, rinse and discard sachet – no separate container needed!

| Microprinters | The convenience of printing directly from your meter, whenever, wherever! This compact dot-matrix microprinter connects easily to your meter via a RS232 outlet – ideal for instant data-recording and report-generation. Connecting cable included.



Electrodes



pH Buffer Solutions



pH Buffer Sachets



Microprinter

Eutech CyberScan 1500 Series Bench

Ordering Information

Meters

Model	Order Code	Part No.	Description
pH	ECPH150042S	01X296209	CyberScan pH 1500 pH/mV/RS232 Meter with pH Electrode ECFG7350401B, ATC Electrode EC62019, DAS, RS232C Cable, Integral Electrode Holder & Universal Power Adapter (US, UK, EUR, Japan)
pH	ECPH150041S	01X296207	CyberScan pH 1500 pH/mV/RS232 Meter with DAS, RS232C Cable, ATC Electrode EC62019, Integral Electrode Holder & Universal Power Adapter (US, UK, EUR, Japan)
CON	ECCON150043S	01X296312	CyberScan CON 1500 Conductivity/TDS/Resistivity/RS232 Meter with DAS, RS232C Cable, 4-Cell Conductivity Electrode EC620165, Integral Electrode Holder & Universal Power Adapter (US, UK, EUR, Japan)
CON	ECCON150040S	01X296316	CyberScan CON 1500 Conductivity/TDS/Resistivity/RS232 Meter Only with DAS, RS232C Cable, Integral Electrode Holder & Universal Power Adapter (US, UK, EUR, Japan)
DO	ECDO150042	01X296407	CyberScan DO 1500 DO/RS232 Meter with DAS, RS232C Cable, DO/BOD Electrode EC6205SP & Universal Power Adapter (US, UK, EUR, Japan)

Electrodes & Accessories

Model	Order Code	Part No.	Description
pH	EC62019	01X306504	ATC Electrode, 1 m Cable
pH	ECFG7350401B	93X218814	General Purpose Glass-body Single Junction Refillable pH Combination Electrode, Annular Ceramic Reference Junction with Protective Sensor Guard, 12x110 mm, BNC Connector, 1 m Cable & 10 ml Refilling Electrolyte
CON	EC620165	93X219046	Epoxy-Body 4-Ring Conductivity Electrode, Cell Constant K=1.0, DIN Connector, 1 m Cable
DO	EC6205SP	01X295704	DO/BOD Electrode with Self-Stirring Mechanism, 1 m Cable
Others	ECCA02M09F09	30X219503	RS232 Communication Cable: 9-Pin Male to 9-Pin Female Connector, 1 m Cable
Others	60X030131	60X030131	ADPTR, SMPS, 100/240 VAC, 12 V, 6 W, CENTRE -ve, with US/UK/EUR/Japan Plug
Others	ECMICROPRNTR01	01X230001	Serial Impact Micro-Printer: Dot-Matrix, Paper-Roll Portable Printer with 25-Pin Female Connector, with a Roll of Paper & 110/120 VAC Power Adapter Provided
Others	ECMICROPRNTR02	01X230002	Serial Impact Micro-Printer: Dot-Matrix, Paper-Roll Portable Printer with 25-Pin Female Connector, with a Roll of Paper & 220/230 VAC Power Adapter provided
Others	ECMICROPRNTR02CLK	01X230004	Serial Impact Micro-Printer with Built-In Real Time Clock: Dot-Matrix, Paper-Roll Portable Printer with 25-Pin Female Connector, with a Roll of Paper & 220/230 VAC Power Adapter Provided




Eutech CyberScan 1500 Series Bench Specification Tables



| Warranty | Eutech Instruments provides three years of warranty against manufacturing defects for meters, and six months for electrodes.



Eutech reserves the right to make changes, improvements and modifications to products shown.


pH/ORP Bench Meter		pH 1500	
			
pH	Range	-1.999 to +19.999 pH	
	Resolution	0.1, 0.01, 0.001 pH	
	Accuracy	±0.1, 0.01, 0.002 pH	
	Calibration Points	Up to 6	
	Auto-Buffer Recognition	Yes	
	FET	Yes	
	Buffer Sets	USA, NIST, Euro, Custom	
mV	Range	±1850.0 mV	
	Resolution	0.1 mV	
	Accuracy	±0.2 mV	
Temperature	Range	-5.0 to 105.0 °C/23.0 to 221.0 °F	
	Resolution	0.1 °C/0.1 °F	
	Accuracy	±0.3 °C/0.5 °F	
Meter Features	Temperature Compensation	ATC/MTC (0 to 100 °C)	
	Memory	100 data sets	
	Impedance	>10 ¹² ohms	
	Input	DC socket, BNC phono, DIN connector	
	Output	Bi-directional RS232C	
Power Requirements		12 V DC adapter, 300 mA, (100/240 VAC, SMPS)	
Dimensions (LxWxH); Weight	Meter	19.5 x 14 x 8.5 ; 950 g	
	Boxed	40 x 26 x 9 cm ; 1600 g	

<< Wastewater
<< Ecological Studies



>> Chemical Laboratories
>> Food Science



		CON 1500
Conductivity/TDS Bench Meter		
Conductivity	Range	.. to 200.0 μ S/cm 200.0 to 2000 μ S/cm 2.000 to 20.00 mS/cm 20.00 to 500.0 mS/cm
	Resolution	0.001, 0.01, 0.1 μ S/cm 0.001, 0.01, 0.1 mS/cm
	Accuracy	\pm 0.5 % full scale
	Calibration Points	4 auto; 4 manual
TDS	Range	.. to 199.9 ppm 200.0 to 1999 ppm 2000 to 19999 ppm 20000 to 99999 ppm
	Resolution	0.001, 0.01, 0.1, 1 ppm
	Accuracy	\pm 0.5 % full scale
	Calibration Points	4 manual
	TDS Factor	0.40 to 1.00
Resistivity	Range	0.000 to 19.99 k Ω 20.00 to 199.9 k Ω 200.0 k Ω to 1.999 M Ω 2.000 to 100.0 M Ω
	Resolution	0.1, 0.01, 0.001 k Ω ; 0.01, 0.001 M Ω
	Accuracy	\pm 0.5 % full scale
	Calibration Points	4 manual
Temperature	Range	-5.0 to 105.0 $^{\circ}$ C/23.0 to 221.0 $^{\circ}$ F (Meter)
	Resolution	0.1 $^{\circ}$ C/0.1 $^{\circ}$ F
	Accuracy	\pm 0.3 $^{\circ}$ C/ \pm 0.5 $^{\circ}$ F
Meter Features	Cell Constant	0.1, 1.0, 10.0
	Temperature Compensation	ATC/MTC (0 to 100 $^{\circ}$ C) (Meter)
	Coefficient (Per $^{\circ}$ C)	0.000 to 10.000 %
	Normalisation	15.0 to 30.0 $^{\circ}$ C
	Memory	100 data sets
	Input	DC socket, DIN connector, 2 pin connector, phono
	Output	Bi-directional RS232C
Power Requirements		12 V DC adapter, 300 mA, (100/240 VAC, SMPS)
Dimensions (LxWxH); Weight	Meter	19.5 x 14 x 8.5 ; 950 g
	Boxed	40 x 26 x 9 cm ; 1600 g

		DO 1500
Dissolved Oxygen Bench Meter		
Dissolved Oxygen	Range	0 to 60 mg/L or ppm
	Resolution	0.01 mg/L or ppm
	Accuracy	\pm 0.5 % full scale + 1 LSD
% Saturation Of Oxygen	Range	0 to 600 %
	Resolution	0.10 %
	Accuracy	\pm 0.5 % full scale + 1 LSD
Salinity Correction	Range	0 to 45 ppt
	Resolution	0.1 ppt
Barometric Pressure Correction	Range	450 to 825 mmHg
	Resolution	1 mmHg
	Accuracy	\pm 1 % + 1 LSD
Temperature	Range	0.0 to 45.0 $^{\circ}$ C
	Resolution	0.1 $^{\circ}$ C
	Accuracy	\pm 0.3 $^{\circ}$ C
Meter Features	Temperature Compensation	ATC/MTC (0 to 100 $^{\circ}$ C) (Meter)
	Memory	100 data sets
	Input	DIN connector
	Output	Bi-directional RS232C
Power Requirements		12 V DC adapter, 300 mA, (100/240 VAC, SMPS)
Dimensions (LxWxH); Weight	Meter	19.5 x 14 x 8.5 ; 950 g
	Boxed	39.5 x 26 x 9 cm ; 1250 g

Eutech Instruments manufactures a comprehensive range of laboratory and field instrumentation for water analysis. Eutech Instruments also produces on-line process instruments for water quality monitoring and control. Innovative products from Eutech include:

Dual Display Testers | EcoScan Palmtops | Waterproof Portable Colorimeters and Turbidimeters | CyberScan Portable Series | CyberScan Bench Series | CyberScan Touchscreen

| World-Wide Sales and Service Support | Eutech provides world-wide sales and service support for all its products through its network of international distributors. Contact us at marketing@eutechinst.com for details of your nearest distributor.



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