CyberScan 600 Series
Waterproof Handheld

• pH • ORP • Ion • Conductivity • TDS
• Salinity • Resistivity • Dissolved Oxygen

SOLUTIONS FOR WATER ANALYSIS

EUTECH INSTRUMENTS

Technology Made Easy ...

EUTECH INSTRUMENTS   PCD650

IrDA   R2   14:17
Measuring
7.000   pH
100.0   µS
100.0   %
25.0 °C MTC

◄ HOLD | CAL | MODE | OFF ►

F1   F2   F3   F4 ON

ENTER

WATERPROOF

3 Year Meter Warranty

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 thrives 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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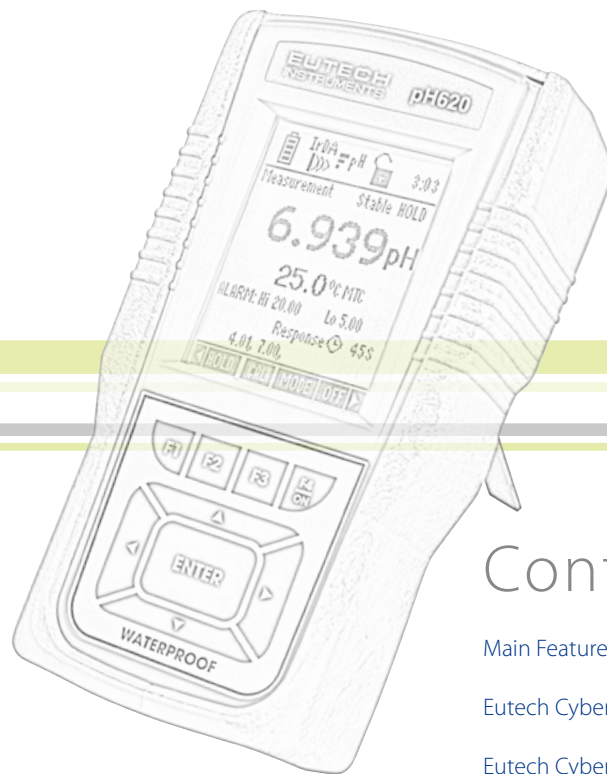Tel: (65) 6778-6876 • Fax: (65) 6773-0836 • www.eutechinst.com

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Contents

- IrDA Wireless Data Transfer
- One-Glance-Tells-All Screen
- User-Customisation
- IP67 Waterproof
- Password Protection
- 3-Year Warranty

Multi-Channel Display
Multi-parameter series measures and displays up to four parameters simultaneously. Toggle to single-parameter view with a button pressed

Auto-Logging Function
Meter automatically records up to 500 data sets at user-preset time interval

Non-Volatile Memory
Protects information and meter settings, even when batteries run out

Password Protection
Prevents tampering or accidental data deletion

IrDA Wireless Information Technology
Choose between IrDA or RS232 (LED) protocol for data transmission. No wires, no cables – transfer data from meter to computer with the press of a button

GLP-Compliant
Recorded readings individually stamped with time and date in GLP-compliant format

HI-LO Limit Alarm for Easy Quality Control
Meter alerts when readings fall outside selected ranges – ideal for monitoring and quality control with minimal supervision

One-Glance-Tells-All Screen Display with Backlight
Electrode response indicator, calibration data and parameter readings in one screen

Electrode Response Indicator
Indicates the amount of time taken for electrode to take a reading – alerts user for stained probe performance

Intuitive Step-By-Step Prompts
Softkeys function with plain language prompt messages for easy set-up, calibration and meter operations

Sturdy Rubber Boot
Protects against knocks and doubles up as meter stand

Calibration Alarm
No more out-dated calibration settings!

IP67-Rated Waterproof
Rugged and waterproof for applications in harsh environments – meter floats on water!

Waterproof External Power Input
Meter powered by battery or AC/DC adapter – perfect for use in field or lab

Complimentary Comprehensive Data Acquisition Software (DAS)
Each meter comes with a complimentary DAS, allowing you to acquire data from your meter in an organised, professional format

Eutech CyberScan PCD 650

CyberScan PCD 650

pH / ORP / Ion / Conductivity / Total Dissolved Solids / Salinity / Resistivity / Dissolved Oxygen / Temperature

A Eutech Star Buy! Combining the strengths of all CyberScan 600 series meters, the intuitive CyberScan PCD 650 is our top-of-the-line waterproof handheld. Measure pH, conductivity, dissolved oxygen and temperature of a sample all at the same time with no cross-interference.

Comprehensive customised screen allows you to view vital information in a single glance, including simultaneous display of all four parameter measurements, electrode performance status as well as meter calibration information. Intuitive with built-in guidance prompts in plain language, the user-friendly meter is waterproof to IP67 standards and comes with advanced wireless communications technology.

- Simultaneously measures and displays four parameters. View individual parameter details with the press of a button
- Up to ±0.002 pH accuracy at 3-decimal resolution
- Ion-measurement capabilities with 3-digit resolution and up to 8 calibration points
- ±1 % full scale accuracy across 5 Conductivity ranges
- Accepts and automatically detects 2-cell and 4-cell Conductivity probe to measure up to 500 m/s – meter measures ultra pure water!
- Selectable multi-point calibration for more accurate measurements or single-point calibration for quick, convenient calibration with no mistakes
- Measures 90.00 mg/L in DO concentration and 600 % in DO saturation – one of the widest Dissolved Oxygen measurement ranges offered in the handheld market today
- Fast and easy DO calibration with 100 % calibration option against atmospheric air or 0 % calibration against a zero solution
- Automatic Salinity, Temperature and Pressure Compensation – meter comes with in-built barometer
- No warm up time required with galvanic system of measurement

Applications:
• Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies and to meet EPA regulations. • Water Quality Testing: For analysing hard water, drinking water, effluent water, and incoming process water. Ideal for all types of quality assurance and water quality testing. • Industrial: For checking brines, ponds, pollution control, recirculating systems, waste water and industrial process systems. Useful for food analysis and quality assurance testing. • Aquacultural: Use to monitor oxygen levels in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications.

Meter Floats on Water!

CyberScan PC 650

pH / ORP / Ion / Conductivity / Total Dissolved Solids / Salinity / Resistivity / Temperature
Combining two of the most popular electrochemistry parameters, Eutech's CyberScan PC 650 allows you to measure pH, conductivity and temperature at the same time with one handheld. Featuring a one-glance-tells-all screen which displays all three readings simultaneously along with electrode information and calibration data, the PC 650 is rugged, waterproof and comes with a mega-memory space to store up to 500 data-sets with time and date.

- Simultaneously measures and displays three parameters
- Ion-measurement capabilities with 3-digit resolution and up to 8 calibration points
- Accepts and automatically detects 2-cell and 4-cell Conductivity probe to measure up to 500 m/s – meter measures ultra pure water!
- Up to ±0.002 pH accuracy at 3-decimal resolution
- ±1 % full scale accuracy across 5 Conductivity ranges
- Selectable multi-point calibration for more accurate measurements, or single-point calibration for quick, convenient calibration with no mistakes

Applications:
• Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies and to meet EPA regulations. *• Water Quality Testing:* For analysing hard water, drinking water, effluent water, and incoming process water. Ideal for all types of quality assurance and water quality testing. *• Industrial:* For checking brines, ponds, pollution control, recirculating systems, waste water and industrial process systems. Useful for food analysis and quality assurance testing. *• Aquacultural:* Use to monitor water conditions in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications.

Eutech CyberScan PC 650 & PD 650

CyberScan PD 650

pH / ORP / Ion / Dissolved Oxygen / Temperature
Collecting multi-parameter data in the field is a breeze with Eutech's CyberScan 650 multi-parameter series. The CyberScan PD 650 delivers quick, lab-accurate measurements of pH and dissolved oxygen simultaneously. Auto-logging function records up to 500 data sets with date and time in GLP-compliant format. Plus, a comprehensive screen displays pH, dissolved oxygen and temperature readings simultaneously in addition to electrode status reports and calibration information.

- Measures and displays three parameters simultaneously
- Up to ±0.002 pH accuracy at 3-decimal resolution
- 6-point calibration option with 20 auto-buffer option sets – quick, convenient calibration with no mistakes!
- Ion-measurement capabilities with 3-digit resolution and up to 8 calibration points
- Measures 90.00 mg/L in DO concentration and 600 % in DO saturation – one of the widest Dissolved Oxygen measurement ranges offered in the handheld market today
- Salinity, Temperature and Pressure Compensation – meter comes with in-built barometer
- No warm up time required with galvanic system of measurement
- Fast and easy DO calibration with 100 % calibration option against atmospheric air or 0 % calibration against a zero solution

Applications:
• Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies and to meet EPA regulations. *• Industrial:* Ideal for checking quality of plant water intake and discharge, wastewater and water treatment, recirculating systems, industrial process systems and chemical process verification. *• Aquacultural:* Use to monitor oxygen levels in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications.

CyberScan CD 650

Conductivity / Total Dissolved Solids / Salinity / Resistivity / Dissolved Oxygen / Temperature
Intuitive with built-in guidance prompts and self-diagnostic messages, the Eutech CyberScan CD 650 comes with advanced wireless communications technology for easy meter-to-PC data transfer, and is IP67 waterproof for harsh applications.

- Measures and displays three parameters simultaneously
- ±1 % full scale accuracy across 5 Conductivity ranges
- Accepts and automatically detects 2-cell and 4-cell Conductivity probe to measure up to 500 m/s – meter measures ultra pure water!
- Selectable multi-point calibration for more accurate Conductivity measurements or single-point calibration for quick, convenient calibration with no mistakes
- Measures 90.00 mg/L in DO concentration and 600 % in DO saturation – one of the widest Dissolved Oxygen measurement ranges offered in the handheld market today
- Automatic Salinity, Temperature and Pressure Compensation – meter comes with in-built barometer
- No warm up time required with galvanic system of measurement
- Fast and easy DO calibration with 100 % calibration option against atmospheric air or 0 % calibration against a zero solution

Applications:
• Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies to meet EPA regulations. • Industrial: Ideal for checks on the quality of plant water intake and discharge, wastewater and water treatment, recirculating systems and industrial process systems. • Aquacultural: Use to monitor oxygen levels in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications. • General: Monitor Dissolved Solids or Conductivity levels quickly and easily in laboratories, field, schools and educational environments.

Eutech CyberScan CD 650 & pH 620; 610; 600

CyberScan pH 620; CyberScan pH 610; CyberScan pH 600

pH / ORP / Ion / Temperature
The CyberScan pH 600 comes with advanced wireless communication technology – no wires, no cables. Simply send data from meter to PC with the press of a button. Plus, a large, comprehensive screen with backlight for applications in dark environment – electrode status, calibration information, temperature and pH or ion measurements at 3-digit resolution, all in one screen!

- Up to ±0.002 pH accuracy at 3-decimal resolution
- 6-point single/multiple calibration option with 20 auto-buffer option sets – quick, convenient calibration with no mistakes!
- Ion-measurement capabilities with up to 8 Ion calibration points
- Alerts when probe requires maintenance with pH probe quality indicator average slope

Applications:
• Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies and to meet EPA regulations. • Industrial: Ideal for checking quality of plant water intake and discharge, wastewater and water treatment, recirculating systems, industrial process systems, water conditioning plants and chemical process verification. • Aquacultural: Use to monitor water conditions in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications.

CyberScan COND 610; CyberScan COND 600

Conductivity / Total Dissolved Solids / Salinity / Resistivity / Temperature
View readings, cell selection, alarm limits and calibration data all in one display. The CyberScan COND 600 series comes with advanced wireless communications technology, and accepts and automatically detects 2-cell and 4-cell conductivity probes, allowing measurement from ultra pure water to sea water!

• Up to 5 Conductivity ranges in one meter with auto-ranging capabilities for more convenience

• ±1 % full scale accuracy at 3-decimal resolution

• Accepts and automatically detects 2-cell and 4-cell Conductivity probe to measure up to 500 m/s – meter measures ultra pure water!

• Selectable multi-point calibration for more accurate measurements or single-point calibration for quick, convenient calibration with no mistakes!

Applications:
• *Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies and to meet EPA regulations.* • *Industrial: Ideal for checking quality of plant water intake and discharge, wastewater and water treatment, recirculating systems and industrial process systems, water conditioning plants and chemical process verification.* • *Aquacultural: Use to monitor water conditions in catfish and shrimp farming, game stocking ponds, ornamental fish tanks and ponds as well as other fish farming applications.*

Eutech CyberScan
COND 610; 600 & DO 600

CyberScan DO 600

Dissolved Oxygen / Temperature
Fast, intuitive and powerful – the CyberScan DO 600 offers one of the widest measurement ranges and biggest memory spaces offered in the DO handheld market today. Data-transfer is easy with the incorporated IrDA wireless communications technology: No wires, no cables. Send data with the press of a button!

• Measures 90.00 mg/L in DO concentration and 600 % in DO saturation

• Salinity, Temperature and Pressure Compensation – meter comes with in-built barometer

• No warm up time required with galvanic system of measurement

• Fast and easy calibration with 100 % calibration option against atmospheric air or 0 % calibration against a zero solution

Applications:
• *Aquacultural: Use to monitor oxygen levels in catfish and shrimp farming; game stocking ponds; ornamental fish tanks and ponds; and in other fish farming applications.* • *Industrial: Ideal for checks on the quality of plant water intake and discharge, wastewater and water treatment, recirculating systems and industrial process systems.* • *Environmental: Use to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies, and meet EPA regulations.*

Waterproof Handheld Accessories

| Cyber Kit | Made of sturdy reinforced plastic, the Cyber kit comes complete with calibrating sachets and sample bottles, and is thoughtfully designed to hold your meter and electrodes. It's all you need for your outfield measurements.

| 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.

[DISCONTINUED]
| Microprinter | Imagine the convenience of printing directly from your meter whenever, wherever! This compact dot-matrix microprinter connects easily to your CyberScan handheld meter via an RS232 (LED) interface adapter*. Ideal for data-recording and report-generation.

| 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!

* RS232 (LED) interface adapter for meter to PC/microprinter communication. Available as separate accessory (order code: 01X344201).

Cyber Kit

Electrodes

Microprinter
[DISCONTINUED]

pH Buffer Solutions

pH Buffer Sachets

Multi-Probe Holder:
Waterproof Electrodes
Come with 3 m Cables

Meters

	Model	Order Code	Part No.	Description
650 Series	PCD	ECPCDWP65044K	01X430902	Waterproof CyberScan PCD 650 pH/ORP/Ion/Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen Handheld Meter with pH Electrode ECFC7252203B, 4-Cell Conductivity Probe ECCONSEN9203J, Dissolved Oxygen Probe ECDOHANDYNEW, DAS Software, Multi-Probe Holder, Power Adapter & Carrying Kit Set (All Probes come with 3 m Cables)
	PCD	ECPCDWP65000	01X430903	Waterproof CyberScan PCD 650 pH/ORP/Ion/Conducitvity/TDS/Salinity/Resistivity/Dissolved Oxygen Handheld Meter with DAS Software & Multi-Probe Holder
	PC	ECPCWP65043K	01X430602	Waterproof CyberScan PC 650 pH/ORP/Ion/Conductivity/TDS/Salinity/Resistivity Handheld Meter with pH Electrode ECFC7252203B, 4-Cell Conductivity Probe ECCONSEN9203J, DAS Software, Multi-Probe Holder, Power Adapter & Carrying Kit Set (All Probes come with 3 m Cables)
	PC	ECPCWP65000	01X430603	Waterproof CyberScan PC 650 pH/ORP/Ion/Conductivity/TDS/Salinity/Resistivity Handheld Meter with DAS Software & Multi-Probe Holder
	PD	ECPDWP65043K	01X430702	Waterproof CyberScan PD 650 pH/ORP/Ion/Dissolved Oxygen Handheld Meter with pH Electrode ECFC7252203B, Dissolved Oxygen Probe ECDOHANDYNEW, ATC Probe ECPHWPTEM03J, DAS Software, Multi-Probe Holder, Power Adapter & Carrying Kit Set (All Probes come with 3 m Cables)
	PD	ECPDWP65000	01X430703	Waterproof CyberScan PD 650 pH/ORP/Ion/Dissolved Oxygen Handheld Meter with DAS Software & Multi-Probe Holder
	CD	ECCDWP65043K	01X430802	Waterproof CyberScan CD 650 Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen Handheld Meter with 4-Cell Conductivity Probe ECCONSEN9203J, Dissolved Oxygen Probe ECDOHANDYNEW, DAS Software, Multi-Probe Holder, Power Adapter & Carrying Kit Set (All Probes come with 3 m Cables)
	CD	ECCDWP65000	01X430803	Waterproof CyberScan CD 650 Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen Handheld Meter with DAS Software & Multi-Probe Holder
620 Series	pH	ECPHWP62042K	01X415107	Waterproof CyberScan pH 620 pH/ORP/Ion/Temp Handheld Meter with Double Junction pH Electrode ECFC7252203B, ATC Probe ECPHWPTEM03J, DAS Software, Power Adapter & pH Carrying Kit Set (All Probes come with 3 m Cables)
	pH	ECPHWP62001	01X415104	Waterproof CyberScan pH 620 pH/ORP/Ion Handheld Meter with 3 m ATC Probe ECPHWPTEM03J & DAS Software
610 Series	pH	ECPHWP61042K	01X415106	Waterproof CyberScan pH 610 pH/ORP Handheld Meter with Double Junction pH Electrode ECFC7252203B, ATC Probe ECPHWPTEM03J, DAS Software, Power Adapter & pH Carrying Kit Set (All Probes come with 3 m Cables)
	pH	ECPHWP61001	01X415103	Waterproof CyberScan pH 610 pH/ORP Handheld Meter with 3 m ATC Probe ECPHWPTEM03J & DAS Software
	COND	ECCONWP61043K	01X418307	Waterproof CyberScan COND 610 Conductivity/TDS/Salinity/Resistivity Handheld Meter with 3 m Cable 4-Cell Electrode ECCONSEN9203J, DAS Software, Power Adapter & Conductivity/TDS Carrying Kit Set
	COND	ECCONWP61003	01X418306	Waterproof CyberScan COND 610 Conductivity/TDS/Salinity/Resistivity Handheld Meter with 3 m Cable 4-Cell Electrode ECCONSEN9203J & DAS Software
	COND	ECCONWP61000	01X418305	Waterproof CyberScan COND 610 Conductivity/TDS/Salinity/Resistivity Handheld Meter Only with DAS Software
600 Series	pH	ECPHWP60042K	01X415105	Waterproof CyberScan pH 600 pH/ORP Handheld Meter with Double Junction pH Electrode ECFC7252203B, ATC Probe ECPHWPTEM03J, DAS Software, Power Adapter & pH Carrying Kit Set (All Probes come with 3 m Cables)
	pH	ECPHWP60001	01X415102	Waterproof CyberScan pH 600 pH/ORP Handheld Meter with 3 m ATC Probe ECPHWPTEM03J & DAS Software
	COND	ECCONWP60043K	01X418304	Waterproof CyberScan COND 600 Conductivity/TDS Handheld Meter with 3 m Cable 4-Cell Electrode ECCONSEN9203J, DAS Software, Power Adapter & Conductivity/TDS Carrying Kit Set
	COND	ECCONWP60003	01X418303	Waterproof CyberScan COND 600 Conductivity/TDS Handheld Meter with 3 m Cable 4-Cell Electrode ECCONSEN9203J & DAS Software
	COND	ECCONWP60000	01X418302	Waterproof CyberScan COND 600 Conductivity/TDS Handheld Meter Only with DAS Software
	DO	ECDOWP60042K	01X419503	Waterproof CyberScan DO 600 Dissolved Oxygen Handheld Meter with 7.5 m Cable Electrode ECDOHANDYNEW, DAS Software, Power Adapter & Carrying Kit
	DO	ECDOWP60041K	01X419502	Waterproof CyberScan DO 600 Dissolved Oxygen Handheld Meter with 3 m Cable Electrode ECDOHANDYNEW, DAS Software, Power Adapter & Carrying Kit

All Electrodes Included in Kit Versions are Waterproof

CyberScan Waterproof Handheld
Ordering Information

Electrodes & Accessories

Model	Order Code	Part No.	Description
pH	ECPHWPTEM01J	01X021818	ATC Probe (For pH 620, 610 & 600 Only); 1 m Cable
pH	ECPHWPTEM03J	01X021820	ATC Probe (For pH 620, 610 & 600 Only); 3 m Cable
pH	ECFC7252101B	01X099412	General Purpose Plastic-Body Single Junction Gel-Filled pH Combination Electrode, 12 x 110 mm, BNC Connector, 1 m Cable
pH	ECFC7252201B	01X099417	General Purpose Plastic-Body Double Junction Gel-Filled pH Combination Electrode, 12 x 110 mm, BNC Connector, 1 m Cable
pH	ECFC7252203B	01X417010	General Purpose Plastic-Body Double Junction Gel-Filled pH Combination Electrode, 12 x 110 mm, BNC Connector, 3 m Cable
pH	ECPHWP600KIT	01X430201	CyberScan pH 600 Series Carrying Kit Set – Plastic Carrying Case Comprises: 1 x pH 4.01, pH 7.00 Buffer Solutions, Storage Solution and 1 x Deionised (Rinse) Water (60 ml Each)
ISE	ECFO0301B	93X218723	Fluoride Combination Epoxy
ISE	ECNH30101B	93X035100	Ammonia Gas Sensor
ISE	ECNH40301B	93X218736	Ammonium Combination Epoxy
ISE	ECN030301B	93X218739	Nitrate Combination Epoxy
COND	ECCONSEN9203J	01X244723	4-Cell Bulls-Eye Epoxy-Body Electrode with ATC, 12 x 120 mm, 8-Pin Connector, 3 m Cable
COND	ECCONSEN9103J	01X244725	2 Stainless Steel Rings Ultem-Body Electrode with ATC, Cell Constant K=1.0 16 x 110 mm, 8-Pin Connector, 3 m Cable
COND	ECCONWP600KIT	01X430202	CyberScan COND 600 Series Carrying Kit Set – Plastic Carrying Case Comprises: 1 x 1413 mS, 12.88 mS KCl, 3000 ppm 442 Standard Solutions and 1 x Deionsied Rinse Water (60 ml)
DO	ECDOHANDYNEW	01X239601	Galvanic Dissolved Oxygen Electrode with ATC, 3 m Cable, 1 Assembled Membrane Cap Housing, 1 Refilling Electrolyte (60 ml) and 1 Scouring Pad
DO	ECWP600DRYKIT	01X430203	CyberScan DO 600 Series Carrying Kit Set – Plastic Carrying Case Comprises 4 Empty Bottles (60 ml)
Others	01X030132	01X030132	Universal SMPS Adapter 100 VAC/240 VAC, 9 V
Others	01X344201	01X344201	RS232 (LED) Interface Adapter (for Meter to PC/Microprinter Communication)
Others	ECMICROPRNTR01 [DISCONTINUED]	01X230001	Serial Impact Microprinter (110 VAC) (RS232 (LED) Interface Adapter 01X344201 Available as Separate Accessory)
Others	ECMICROPRNTR02 [DISCONTINUED]	01X230002	Serial Impact Microprinter (220 VAC) (RS232 (LED) Interface Adapter 01X344201 Available as Separate Accessory)
Others	ECMICROPRNTR02CLK [DISCONTINUED]	01X230004	Serial Impact Microprinter with Real Time Clock (220 VAC) (RS232 (LED) Interface Adapter 01X344201 Available as Separate Accessory)

Waterproof Meter and Electrode for Harsh Outdoor Measurements

Velcro Strap for Firmer Grip

CyberScan Waterproof Handheld
Specification Tables

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

Multi-Parameter Waterproof Handheld Meters		PCD 650	PC 650	PD 650	CD 650
pH	Range	-2.000 to 20.000 pH			–
	Resolution	0.1, 0.01, 0.001 pH			–
	Accuracy	±0.002 pH			–
	Calibration Points	1 (offset) to 6 points			–
	Buffer Sets	USA, NIST, DIN, PWB, Custom			–
	Auto-Buffer Recognition	Yes			–
	Slope & Offset Display	Yes			–
Ion	Range	0.001 to 19900			–
	Resolution	2 to 3 digits			–
	Accuracy	0.5 % full scale (monovalent); 1 % full scale (divalent)			–
	Calibration Points	Up to 8			–
ORP	Range	±2000.0 mV			–
	Resolution	0.1 mV			–
	Accuracy	±0.2 mV			–
Temperature	Range	-10.0 to 110.0 ºC/14.0 to 230.0 ºF (meter)			
	Resolution	0.1 ºC/0.1 ºF			
	Accuracy	±0.5 ºC/±0.9 ºF			
Conductivity	Range	.. to 2.000 µS/cm, 2.000 µS/cm to 300.0 µS/cm, 300.0 µS/cm to 4.000 mS/cm, 4.000 mS/cm to 40.00 mS/cm, 40.00 mS/cm to 500.0 mS/cm		–	.. to 2.000 µS/cm, 2.000 µS/cm to 300.0 µS/cm, 300.0 µS/cm to 4.000 mS/cm, 4.000 mS/cm to 40.00 mS/cm, 40.00 mS/cm to 500.0 mS/cm
	Resolution	0.01 µS/cm, 0.1 µS/cm, 0.001 mS/cm, 0.01 mS/cm, 0.1 mS/cm		–	0.01 µS/cm, 0.1 µS/cm, 0.001 mS/cm, 0.01 mS/cm, 0.1 mS/cm
	Accuracy	±1 % full scale of each range		–	±1 % full scale of each range
	Calibration Points	4 (1 per range) auto, 5 (1 per range) manual		–	4 (1 per range) auto, 5 (1 per range) manual
	Cell Constant (K)	0.010 to 10.000		–	0.010 to 10.000
	Temperature Coefficient	Linear & pure		–	Linear & pure
	Normalisation Temperature	15 to 30 ºC		–	15 to 30 ºC
	Auto-Ranging	Yes		–	Yes
TDS	Range	.. to 2.000 ppm, 2.000 ppm to 300.0 ppm, 300.0 ppm to 4.000 ppt, 4.000 ppt to 40.00 ppt, 40.00 ppt to 500.0 ppt		–	.. to 2.000 ppm, 2.000 ppm to 300.0 ppm, 300.0 ppm to 4.000 ppt, 4.000 ppt to 40.00 ppt, 40.00 ppt to 500.0 ppt
	Resolution	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt, 0.1 ppt		–	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt, 0.1 ppt
	Accuracy	±1 % full scale of each range		–	±1 % full scale of each range
	Conversion Factor	0.4000 to 1.000		–	0.4000 to 1.000
Salinity	Range	.. to 0.770 ppm, 0.770 ppm to 143.3 ppm, 143.3 ppm to 2.138 ppt, 2.138 ppt to 23.64 ppt, 23.64 ppt to 80.00 ppt		–	.. to 0.770 ppm, 0.770 ppm to 143.3 ppm, 143.3 ppm to 2.138 ppt, 2.138 ppt to 23.64 ppt, 23.64 ppt to 80.00 ppt
	Resolution	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt		–	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt
	Accuracy	±1 % full scale of each range		–	±1 % full scale of each range
Resistivity	Range	2.000 Ω to 25.00 Ω, 25.00 Ω to 250.0 Ω, 250.0 Ω to 3.333 kΩ, 3.333 kΩ to 500.0 kΩ, 500.0 kΩ to 20.00 MΩ		–	2.000 Ω to 25.00 Ω, 25.00 Ω to 250.0 Ω, 250.0 Ω to 3.333 kΩ, 3.333 kΩ to 500.0 kΩ, 500.0 kΩ to 20.00 MΩ
	Resolution	0.01 Ω, 0.1 Ω, 0.001 Ω, 0.1 Ω, 0.01 MΩ		–	0.01 Ω, 0.1 Ω, 0.001 Ω, 0.1 Ω, 0.001 MΩ
	Accuracy	±1 % full scale of each range		–	±1 % full scale of each range
Dissolved Oxygen	Range	0.00 to 90.00 mg/L or ppm	–	0.00 to 90.00 mg/L or ppm	
	Resolution	0.01 mg/L; 0.01 ppm	–	0.01 mg/L; 0.01 ppm	
	Accuracy	±0.2 mg/L	–	±0.2 mg/L	
	Calibration Points	1	–	1	
	Probe	Galvanic with integral temperature sensor	–	Galvanic with integral temperature sensor	
% Saturation of Oxygen	Range	0 to 600.0 %	–	0 to 600.0 %	
	Resolution	0.1 %	–	0.1 %	
	Accuracy	±2.0 %	–	±2.0 %	
	Calibration Points	2-Point (0 %, 100 %)	–	2-Point (0 %, 100 %)	

Multi-Parameter Waterproof Handheld Meters

		PCD 650	PC 650	PD 650	CD 650
Salinity Correction	Range	0.0 to 50.0 ppt	–	0.0 to 50.0 ppt	
	Resolution	0.1 ppt	–	0.1 ppt	
	Method	Automatic/manual	–	Automatic correction after manual input	Automatic/manual
Barometric Pressure Correction	Range	450 to 825 mmHg or 59.9 to 109.9 kPa	–	450 to 825 mmHg or 59.9 to 109.9 kPa	
	Resolution	0.1 mmHg or 0.1 kPa	–	0.1 mmHg or 0.1 kPa	
	Method	Automatic correction with built-in sensor	–	Automatic correction with built-in sensor	
Meter Features	Temperature Compensation	ATC/MTC (0 to 100 ºC)			
	Date & Time Stamp (GLP)	Yes			
	Waterproof/ Dustproof (IP67)	Yes			
	Datalogging	Yes			
	Memory	500 data sets			
	Average/Stability	Yes			
	Auto Hold	Yes			
	Auto-Off	2 to 30 mins after last key pressed			
	Inputs	DC phono sockets, BNC, 8 pin connector, 6 pin connector	DC phono sockets, BNC, 8 pin connector	DC phono sockets, BNC, 8 pin connector, 6 pin connector	DC phono sockets, 6 pin connector, 8 pin connector
	Output	IrDA, RS232C (LED)			
Power Requirements		4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >200 hrs		4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >400 hrs	4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >200 hrs
Dimensions (LxWxH); Weight	Meter	18.3 x 9.5 x 5.7 ; 460 g			
	Boxed	23.5 x 16 x 15.5 cm ; 800 g			

pH Waterproof Handheld Meters

		pH 620	pH 610	pH 600
pH	Range	-2.000 to 20.000 pH		-2.00 to 20.00 pH
	Resolution	0.1, 0.01, 0.001 pH		0.1, 0.01 pH
	Accuracy	±0.002 pH		±0.01 pH
	Calibration Points	1 (offset) to 6 points		
	Buffer Sets	USA, NIST, DIN, PWB, Custom		
Ion	Range	0.001 to 19900	–	
	Resolution	2 or 3 digits	–	
	Accuracy	0.5 % full scale (monovalent), 1 % full scale (divalent)	–	
	Calibration Points	Up to 8	–	
ORP	Range	±2000.0 mV		
	Resolution	0.1 mV		
	Accuracy	±0.2 mV		
Temperature	Range	-10 to 110 ºC/14 to 230 ºF		
	Resolution	0.1 ºC/0.1 ºF		
	Accuracy	±0.5 ºC/±0.9 ºF		
Meter Features	Temperature Compensation	ATC/MTC (0 to 100 ºC)		
	Date & Time Stamp (GLP)	Yes		
	Waterproof/ Dustproof (IP67)	Yes		
	Datalogging	Yes		
	Memory	500 data sets		
	Average/Stability	Yes		
	Auto Hold	Yes		
	Auto-Off	2 to 30 mins after last key pressed		
	Inputs	DC phono sockets, 8 pin connector, BNC		
	Output	IrDA, RS232C (LED)		
Power Requirements		4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >500 hours		
Dimensions (LxWxH); Weight	Meter	18.3 x 9.5 x 5.7 ; 460 g		
	Boxed	23.5 x 16 x 15.5 cm ; 800 g		

Conductivity Waterproof Handheld Meters

		COND 610	COND 600
Conductivity	Range	.. to 2.000 µS/cm, 2.000 µS/cm to 300.0 µS/cm, 300.0 µS/cm to 4.000 mS/cm, 4.000 mS/cm to 40.00 mS/cm, 40.00 mS/cm to 500.0 mS/cm	.. to 2.000 µS/cm, 2.000 µS/cm to 300.0 µS/cm, 300.0 µS/cm to 4.000 mS/cm, 4.000 mS/cm to 40.00 mS/cm, 40.00 mS/cm to 200.0 mS/cm
	Resolution	0.01 µS/cm, 0.1 µS/cm, 0.001 mS/cm, 0.01 mS/cm, 0.1 mS/cm	
	Accuracy	±1 % full scale of each range	
TDS	Range	.. to 2.000 ppm, 2.000 ppm to 300.0 ppm, 300.0 ppm to 4.000 ppt, 4.000 ppt to 40.00 ppt, 40.00 ppt to 500.0 ppt	.. to 2.000 ppm, 2.000 ppm to 300.0 ppm, 300.0 ppm to 4.000 ppt, 4.000 ppt to 40.00 ppt, 40.00 ppt to 200.0 ppt
	Resolution	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt, 0.1 ppt	
	Accuracy	±1 % full scale of each range	
	TDS Factor	0.4000 to 1.000	
Salinity	Range	.. to 0.770 ppm, 0.770 ppm to 143.3 ppm, 143.3 ppm to 2.138 ppt, 2.138 ppt to 23.64 ppt, 23.64 ppt to 80.00 ppt	–
	Resolution	0.01 ppm, 0.1 ppm, 0.001 ppt, 0.01 ppt	–
	Accuracy	±1 % full scale of each range	–
Resistivity	Range	2.000 Ω to 25.00 Ω, 25.00 Ω to 250.0 Ω, 250.0 kΩ to 3.333 kΩ, 3.333 kΩ to 500.0 kΩ, 500.0 kΩ to 20.00 MΩ	–
	Resolution	0.01 Ω, 0.1 Ω, 0.001 Ω, 0.1 Ω, 0.01 MΩ	–
	Accuracy	±1 % full scale of each range	–
Calibration Points		4 (1 per range) auto, 5 (1 per range) manual (Auto – for Conductivity parameter only)	
Temperature	Range	-10.0 to 110.0 ºC/14.0 to 230.0 ºF (Meter)	
	Resolution	0.1 ºC/0.1 ºF	
	Accuracy	±0.5 ºC/±0.9 ºF	
	Coefficient	Linear & pure	Linear
	Normalisation	15 to 30 ºC	
Meter Features	Cell Constant	0.010 to 10.000	0.100 to 10.000
	Temperature Compensation	ATC/MTC (0 to 100 ºC)	
	Date/Time Stamp (GLP)	Yes	
	Waterproof/ Dustproof (IP67)	Yes	
	Datalogging	Yes	
	Memory	500 data sets	
	Average/Stability	Yes	
	Auto Hold	Yes	
	Auto-Off	2 to 30 mins after last key pressed	
	Input	DC phono sockets, 8 pin connector	
	Output	IrDA, RS232C (LED)	
Power Requirements		4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >200 hours	
Dimensions (LxWxH); Weight	Meter	18.3 x 9.5 x 5.7 ; 460 g	
	Boxed	23.5 x 16 x 15.5 cm ; 800 g	

<< Aquaculture   << Environmental   << Wastewater

DO Waterproof Handheld Meter		DO 600
Dissolved Oxygen	Range	0 to 90.00 mg/L or ppm
	Resolution	0.01 mg/L or ppm
	Accuracy	±0.20 mg/L
% Saturation of Oxygen	Range	0 to 600.0 %
	Resolution	0.1 %
	Accuracy	±2.0 %
Temperature	Range	0.0 to 50.0 ºC/32 to 122 ºF
	Resolution	0.1 ºC/0.1 ºF
	Accuracy	±0.3 ºC/±0.5 ºF
Salinity Correction	Range	0.0 to 50.0 ppt
	Resolution	0.1 ppt
	Method	Automatic correction after manual input
Barometric Pressure Correction	Range	450 to 825 mmHg or 59.9 to 109.9 kPa
	Resolution	0.1 mmHg or 0.1 kPa
	Method	Automatic correction with in-built sensor
Calibration		2-point (0 %, 100 %), 1-point (mg/L)
Probe	Type	Galvanic
Meter Features	Temperature Compensation	ATC/MTC (0.0 to 50.0 ºC)
	Date/Time Stamp (GLP)	Yes
	Waterproof/ Dustproof (IP67)	Yes
	Datalogging	Yes
	Memory	500 data sets
	Average/Stability	Yes (selectable)
	Auto Hold	Yes
	Auto-Off	2 to 30 mins after last key pressed
	Input	DC phono sockets, 6 pin connector
	Output	IrDA, RS232C (LED)
Power Requirements		4x 1.5 V 'AA' alkaline batteries or 9 V DC adapter, 500 mA; >400 hours
Dimensions (LxWxH); Weight	Meter	18.3 x 9.5 x 5.7 ; 460 g
	Boxed	23.5 x 16 x 15.5 cm ; 800 g

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