Waterproof
CyberScan
Series 300

for pH, Conductivity & TDS (Total Dissolved Solids)

CyberScan PC 300 Meter
pH / Conductivity / TDS / °C / °F

CE · ISO 9001 CERTIFIED

- IP67
- Floats
- Microprocessor Based
- User Customizable Setup
- Multi-point Push Button Calibration
- Auto Buffer Recognition (pH)
- Selectable Temperature Coefficient
- Selectable Normalization Temperature & TDS Factor
- Auto Ranging Capability
- Auto-hold
- Easy Toggle Between pH, Conductivity & TDS

3 Year Warranty

EUTECH INSTRUMENTS
Technology Made Easy ...

The Waterproof CyberScan PC 300 Multi-parameter meter is specially designed to meet the rigours of outdoor field measurement. It is equipped with an Application Specific Integrated Circuit (ASIC) microprocessor which provides many advanced features through its user customizable setup functions, while maintaining a user-friendly interface.

INNOVATIVE WATERPROOF DESIGN

Eutech waterproof hand-held meters are ergonomically designed to be waterproof (IP67) and are extremely light. The meters even float in water for easy retrieval and are suitable for rugged out-door use and convenient one hand operation.

USER CUSTOMIZATION

The CyberScan PC 300 Multi-parameter meter permits user-customization of the following functions: • Stability • Unit of temperature measurement (ºC/ºF) • Temperature Coefficient • Normalization Temperature etc.

MULTI-POINT PUSH BUTTON CALIBRATION WITH ATC

The PC 300 allows up to 5-point pH calibration and 5-point conductivity calibration (one point per range). This improves accuracy and linearity across all ranges. Auto-buffer recognition makes pH calibration procedure simple and easy. Built-in Automatic Temperature Compensation guarantees high accuracy levels under varying temperature conditions.

CONDUCTIVITY & pH ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

The conductivity electrode has a built-in temperature sensor and is specially designed to minimise bubble entrapment during measurement. Wetted materials including Stainless Steel, PBT and Ultem®, have good chemical durability. The rugged epoxy body pH electrode has a polymer gel which is non-degradable and resistant to bacterial and fungal attack. In addition, the double-junction pH electrode has the reference element isolated within a second chamber, minimizing contamination, and extending useful life of the electrode.

AUTO-RANGING

The PC 300 meter is quick to detect and switch to appropriate Conductivity & TDS measuring range, thus eliminating guesswork.

Specifications: CyberScan PC 300 Meter	
pH Range	-2.00 to 16.00 pH
Resolution/Accuracy	0.01 pH / ± 0.01 pH
Conductivity Range	0 to 19.99, 199.9, 1999 µS/cm; 19.99, 199.9 mS/cm
TDS Range	0 to 9.99, 99.9, 999 ppm; 9.99, 99.9 ppt Max. of 199.9 ppt based on factor setting
Resolution	0.05% Full Scale
Accuracy	± 1% Full Scale or ± 1 digit
Temperature Range	0.0 to 100.0 ºC (32.0 to 212 ºF)
Resolution/Accuracy	0.1 ºC (0.1ºF) / ± 0.3 ºC (0.5 ºF)
pH Calibration	Up to 5 points (pH1.68, 4.01, 7.00, 10.01, 12.45)
pH Slope & Offset Display	Yes
Conductivity Calibration	Up to 5 points (one point per range)
Conductivity Cell Constant (k)	1.0
Conductivity Temp. Coefficient	0.0 to 10.0 % per ºC
Conductivity to TDS Conversion factor	Adjustable from 0.40 to 1.00
Normalization Temperature	15.0 to 30.0 ºC (adjustable)
Temperature Compensation	Automatic/Manual (from 0 to 80 ºC)
Auto-ranging	Yes
HOLD function	Yes
Averaging/Stability(READY)/ Auto-hold	Selectable
Display	Custom Dual LCD
Auto Power-off	20 minutes after last key operation
Inputs	BNC (for pH) and 6-pin connector (for Temperature and Conductivity)
Operating Temperature	0 to 50 ºC
Power Requirements	4 'AAA' batteries
Battery life	>100 hours
Dimensions/Weight	Meter: 19 (L) x 10 (W) x 6 cm (H); 320 g Case : 34 (L) x 40 (W) x 10 cm (H); 2.2 kg

1 Large customized LCD

2 Back connector

3 Meter floats in water

4 pH, Conductivity & TDS Electrodes with ATC

EASE OF USE

Temperature Coefficient, Normalization Temperature & TDS values can be manually keyed in for accurate measurements. HOLD function freezes value for later reading and recording. The meter powers-off automatically 20 minutes after last key selection. This conserves and extends battery life.

EASY-TO-READ DISPLAY

The large custom LCD (Liquid Crystal Display) shows both primary (pH or conductivity) and secondary (temperature or time) values measured, complete with mode and units of measure. Graphic symbols and self-diagnostic message codes, such as condition of electrode, provide user comprehensive information for easy and trouble-free operation.

RUGGED, ALL-WEATHER CARRYING CASE

A custom-built rugged carrying case provides for compact and convenient storage of meter, electrode, calibrating solutions and accessories, specially helpful for field testing.

WARRANTY

Eutech Instruments warrants its meter free from manufacturing defects for 3 years and electrodes for 6 months.

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ORDERING INFORMATION

Order No.	Item
EC-PCWP300/03K	CyberScan PC300 meter with EC-FE72522-01B, EC-CONSEN91W & EC-PCWP-KIT
EC-FE72522-01B	Epoxy body double junction pH electrode (1m cable)
EC-CONSEN91W	Plastic body Conductivity electrode (k=1.0) with 2 stainless steel rings and built-in temperature sensor
EC-PHWPTEM-01W	Temperature probe
EC-PCWP-KIT	Carrying case with bottles & calibration standards

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

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