

PORTABLE pH ANALYSIS SETS

Reagecon's portable pH meter sets allow laboratory-quality measurements to be made in demanding field and process environments. They combine durability and ease of use with accurate, reliable measurements for all applications:

- Robust, impact resistant housing
- Waterproof (IP 67 rated)
- Automatic Temperature Compensation – for improved accuracy in exacting conditions
- Excellent measurement accuracy on both pH/mV and temperature
- Compatible with Reagecon's extensive range of electrodes for specialist pH applications and redox measurement.

Reagecon's portable meters are supplied as part of complete measurement systems, comprising of a robust pH and temperature sensor, calibration buffers and electrode care solutions. All of these items are housed in a sturdy carry-case to give the complete portable measurement system:

- Robust compartments for each component of the measurement system, with snap-release fastenings
- The electrode holder and compartments for buffers allow calibration to be performed anywhere.
- The recessed electrode compartment prevents damage to the electrode during transit and the hazard caused by trailing cables.

The case acts as a compact, mobile pH laboratory, containing everything required for accurate, reliable pH measurements in all environments.



R 315 pH – Simple to Use, Reliable Results

If you need ease of operation without compromising on confidence in your field pH measurements this is the ideal meter. Obtaining reliable measurements could not be easier - only 5 keys are required for all measurement and calibration functions:

- Large responsive keys – can be used even if gloves are worn
- Clear, interactive display that can be easily read in all conditions
- Walk-through calibration procedure, with Automatic Buffer Recognition for simple, yet accurate sensor calibration
- Hold function can be used to freeze the measurement display.
- AutoRead drift control function ensures stable and reproducible results



R 340 pH – Accuracy & Functionality

The complete portable pH meter that fully supports data logging and GLP requirements. Calibration and measurement data can be transferred to a PC with our MultiLab software. The R 340 pH provides functionality and accuracy combined with ease of use:

- High-resolution pH display to 3 decimal places.
- 800 place data logger for manual or automatic measurement logging.
- Real-time clock
- GLP supporting functions to ensure the Correct Result.
- Calibration data in pH or mV
- MultiCal automatic calibration with Buffer Recognition.
- Analogue or digital RS232 output – can be used with chart recorders and PCs



Technical Data

		R 315 pH	R 340 pH
Range/ Resolution	pH: mV: Temp. :	-2.00 ... +16.00pH -1999 ... +1999mV -5.0 ... +105.0°C	-2.000 ... +19.999pH; -2.00 ... +19.99pH -999.9 ... +999.9mV; -1999 ... +1999mV -5.0 ... +105.0°C
Accuracy	pH: mV: Temp. :	±0.01pH at +15 ... +35°C ±0.3mV at +15 ... +35°C ±0.1K	±0.005pH at +15 ... +35°C ±0.3mV at +15 ... +35°C ±0.1K
Calibration		Simplified 1/2/3-point calibration with automatic buffer recognition AutoCal automatic 3-point calibration with DIN buffers and Reagecon 25°C buffers	MultiCal automatic calibration: AutoCal automatic 1/2/3 point calibration with DIN buffers AutoCal-Tec automatic 1/2/3 point calibration with Reagecon 25°C buffers ConCal conventional 2-point calibration with any buffers

R 315 pH & R 340 pH - Ordering Information

Cat. No.	Model	Description
315PHSET	R 315 pH	Robust and waterproof handheld pH meter, for battery operation, in mobile case set with BlueLine 24 electrode and pH 4 & pH 7 buffers.
340PHSET	R 340 pH	Robust and waterproof handheld pH meter with datalogger and serial interface, in mobile case set with BlueLine 24 electrode and pH 4 & pH 7 buffers.

Instrument sets with alternative sensors (shown on pages 16 - 18) are available - contact Reagecon for details.

LABORATORY pH ANALYSIS SETS

Reagecon's laboratory pH systems have been designed for maximum confidence in analysis of this vital parameter. As well as including a high quality pH meter, our ready to use measurement sets include the following components that are essential for accurate pH analysis:

- Schott BlueLine 14 pH electrode – for rapid, precise measurement of pH & temperature
- Electrode care solutions – to maintain the measurement electrode in optimum condition
- High quality calibration buffers – Reagecon's pH buffers provide unrivalled accuracy and stability
- Electrode stand – a chemically-resistant, cantilever support stand

R 720 pH – User Friendly, Reliable Analysis

The R 720 pH sets a new benchmark for simplicity of use, without any concessions on accuracy of results. Its innovative features ensure a straightforward route to confidence in your pH measurements:

- Large display, simultaneously showing pH or mV, temperature and sensor status
- Easy to clean membrane keypad
- AutoRead drift control gives objective assessment of the readings' stability so accurate and repeatable measurements can be made.
- Automatic Temperature Compensation
- Walk-through calibration, with user prompts and Automatic Buffer Recognition for rapid and accurate calibration



Technical Data

R 720 pH		
Range/ Resolution	pH: mV: Temp.:	-2.000 ... +19.999pH; -2.00 ... +19.99pH -999.9 ... +999.9mV; -1999 ... +1999mV -5.0 ... +105.0°C
Accuracy	pH: mV: Temp.:	±0.005pH ±0.01pH ±0.3mV, ±1mV ±0.1K
Calibration	AutoCal AutoCal - Tec ConCal	MultiCal automatic calibration: 2 / 3 point 2 / 3 point 1 / 2 point

R 720 pH - Ordering Information

Cat. No.	Model	Description
720PHSET	R 720 pH	Easy to use, accurate laboratory pH meter measurement set. Includes BlueLine 14 pH electrode, electrode stand, pH 4 and pH 7 buffers.

Instrument sets with alternative sensors (shown on pages 16 - 18) are available - contact Reagecon for details.

For details of Reagecon's Instrument Calibration and Validation services, please see page 28 - 29

R 730 pH – For Documented Accuracy

The R 730 pH has an 800 place memory and an RS232 output. Along with its advanced feature set, this allows for a permanent record of measurement and calibration data to be made and compliance with GLP requirements:

- Large multifunctional display with high resolution
- Large, easy to clean keypad
- Automatic Temperature Compensation
- MultiCal® automated calibration system
- Calibration interval, with warning that electrode calibration is overdue
- AutoRead drift control function – for repeatable, accurate measurements
- 800 place memory with manual and automatic data logging modes
- Real-time clock
- RS232 output for analogue recorders or PCs
- GLP supporting functions to provide the Correct Result.



Technical Data

R 730 pH		
Range/ Resolution	pH: mV: Temperature:	-2.000 ... +19.999pH -999.9 ... +999.9mV -1999 ... +1999mV -5 ... +105 °C/0.1°C
Accuracy		±0.005pH ±0.3mV, ±1mV ±0.1K
Calibration		MultiCal automatic calibration: AutoCal 2 / 3 point AutoCal-Tec 2 / 3 point ConCal 2 / 3 point
GLP Functions	Real-time clock Calibration interval warning Memory Data-logging modes Data output	Powered by battery back-up After user-definable interval 800 data sets and calibration history Manual or automatic at user-definable intervals To screen or via RS232 to analogue recorders & PCs

R 730 pH - Ordering Information

Cat. No.	Model	Description
730PHSET	R 730 pH	GLP-compliant pH meter, complete with BlueLine 14 pH electrode, electrode stand and pH 4 & 7 buffers.

Instrument sets with alternative sensors (shown on pages 16 - 18) are available - contact Reagecon for details.

PORTABLE CONDUCTIVITY ANALYSIS SETS

Reagecon's portable conductivity measurement sets provide all that is required for accurate conductivity measurement in demanding environmental and process locations. The durable meters provide reliable results across the entire conductivity measurement range:

- Robust, waterproof housings (IP 67 rated)
- Choice of temperature compensation settings
- Outstanding measurement accuracy
- Specialist set for accurate measurement of low conductivity

These complete conductivity measurement sets consist of easy to use meters, high performance conductivity cells and conductivity standards, all of which are supplied in a compact, sturdy field-case:

- Moulded housings for each component of the set prevents damage in transit
- The electrode arm and beakers provide a mobile laboratory, allowing accurate analysis to be readily performed in all locations
- The integral conductivity cell casing protects the measuring cell and ensures that trailing cables do not pose a hazard.

R 315 Cond – Fast & Dependable Measurement

The R 315 Cond provides unrivalled accuracy for a simple to use conductivity meter. In conjunction with the LF 413 T conductivity cell, it can provide a fast and accurate response across a huge conductivity range. With its simple operation, this makes this the meter for rapid, reliable conductivity measurement:

- Large, easy to use keypad only - 5 keys are required for all functions
- Large screen giving dual display of the measured value and temperature
- Choice of conductivity, resistivity or salinity as the measured parameter
- Non-linear temperature compensation according to ISO 7888 for natural waters
- AutoRead drift control function for repeatable, accurate readings



R 340 Cond – For Demanding Applications

The R 340 Cond features an advanced calibration procedure for improved measurement accuracy. It has data logging capacity for 800 measurements and advanced GLP features:

- Measurement of conductivity, salinity, resistivity and TDS
- Temperature compensation – choice of ISO 7888 non-linear, linear compensation or no compensation (for EP & USP compliance)
- Real-time clock
- Manual and automatic data logging modes
- RS232 for transfer of data to chart recorders and PCs
- GLP supporting functions to provide the Correct Result



For details of Reagecon's Instrument Calibration and Validation services, please see page 28 - 29

The R 340 Cond is available in a choice of two measurement sets, both include:

- A low-level conductivity set with a specialised 2-pole Schott conductivity cell for purified water testing. The conductivity cell has a detachable flow-cell, allowing it to be connected to water purification systems so that air does not contaminate the samples. Allied with Reagecon's unique low conductivity standards, this measurement set provides full compliance with the latest EP & USP requirements
- A standard set with a 4-pole Schott conductivity cell. Other than the low conductivity levels of purified water, this set covers a measurement range of 10µS/cm to 500mS/cm.

Technical Data

	R 315 Cond	R 340 Cond
Range	0.0 µS/cm ... 500mS/cm in 5 measuring ranges or AutoRange	0.0µS/cm ... 500mS/cm in 5 measuring ranges or AutoRange
Resolution	4 significant figures	4 significant figures
Temp.:	-5.0°C ... +105.0°C	-5.0°C ... +105.0°C
Salinity:	0.0 ... 70.0	0.0 ... 70.0
TDS:	-	0 ... 1999mg/l
Resistivity:	0.000 ... 1999MΩcm	0.000 ... 1999MΩcm
Accuracy	±0.5% of value	±0.5% of value
Temp.:	±0.1K	±0.1K
Reference Temp. T ref	(20°C or 25°C), selectable	(20°C or 25°C), selectable
Cell Constant	Fixed 0.475 cm ⁻¹ , 0.1 cm ⁻¹	0.475cm ⁻¹ , 0.1cm ⁻¹ and 0.01cm ⁻¹ fixed and 0.25 ... 2.5cm ⁻¹ and 0.09 ... 0.11cm ⁻¹ adjustable
Temperature Comp.	Automatic, can be switched off	Automatic, can be switched off
Temperature	<ul style="list-style-type: none"> • Non-linear function for natural waters (nLF) to ISO 7888 and ultrapure water function 	<ul style="list-style-type: none"> • Non-linear function for natural waters (nLF) to ISO 7888 and ultrapure water function • Linear compensation from 0.00 ... 2.99%/K
Coefficient	<ul style="list-style-type: none"> • No compensation 	

R 315 Cond & R 340 Cond - Ordering Information

Cat. No.	Model	Description
315CSET	R 315 Cond	Robust and waterproof battery-operated handheld conductivity meter, including LF 413T conductivity cell, professional case and conductivity standard 1413µS/cm.
340CSET	R 340 Cond	Robust and waterproof battery-operated handheld conductivity meter with datalogger and serial interface, including LF 413T conductivity cell, professional case and conductivity standard 1413µS/cm.
340CSETLOW	R 340 Cond	Purified water conductivity measurement system. Robust and waterproof battery-operated handheld conductivity meter with datalogger and serial interface, including LF 313 T conductivity cell and flow-chamber, professional case and 147 mS/cm conductivity standard.

Instrument sets with alternative sensors (shown on page 19) are available - contact Reagecon for details.

LABORATORY CONDUCTIVITY ANALYSIS SETS

Reagecon laboratory conductivity meters provide ease of use combined with excellent accuracy and reproducibility. Readings can be displayed as conductivity, resistivity, TDS (Total Dissolved Solids) or salinity and the chosen parameter and measurement temperature are displayed simultaneously. These instruments are delivered as complete measurement sets, including a state of the art sensor, a chemically-resistant electrode stand and Reagecon's world-class conductivity standards - the total package for confidence in conductivity measurement.

R 720 Cond – Straightforward, Reliable Measurement

This instrument provides excellent accuracy and ease of use for routine laboratory measurements. The user has full control over the Temperature Compensation settings, enabling high quality results to be attained for a wide variety of applications.

- Large display showing temperature and the measurement parameter simultaneously
- Large membrane keypad - responsive and easy to clean
- User definable Linear and Non-Linear Temperature Compensation
- AutoRead drift control: the readings' stability is monitored so that only reproducible, accurate results are reported.



R 730 Cond – Functionality & Simplicity

The data logging function and real-time clock ensure full compliance with GLP requirements can be met. The RS232 interface allows measurement data and calibration protocols to be output to a PC. The R 730 Cond is available as part of 2 measurement sets - with the LF 413 T sensor for all applications above 10 μ S/cm or with the LF 313 T sensor for guaranteed linearity of response required for purified water testing.

- Temperature Compensation can be disabled if required
- Automatic prompt when the calibration interval has expired
- AutoRead drift control for maximum accuracy and repeatability
- 800 data set memory, with manual and automatic logging modes
- Real-time clock
- RS232 output for connection to analogue recorders and PCs allows permanent documentation of readings and calibration data
- GLP supporting functions to provide the Correct Result



Technical Data

R 720 Cond & R 730 Cond		
Range/Resolution	Conductivity:	0.0µS/cm ... 500mS/cm in 5 measuring ranges or AutoRange additionally for K = 0.1cm ⁻¹ : 0.00µS/cm ... 19.99µS/cm K = 0.01cm ⁻¹ : 0.000µS/cm ... 1.999µS/cm
	Temperature:	-5.0 ... +99.9°C
	Salinity:	0.0 ... 70.0
	TDS:	0 ... 1999mg/l
	Resistivity:	0.000 ... 1999MΩcm
Accuracy	Conductivity:	±0.5% of value
	Temperature:	±0.1K
Reference temperature		(20°C or 25°C) selectable
Cell constants		0.475cm ⁻¹ , 0.1cm ⁻¹ and 0.01cm ⁻¹ fixed; freely selectable 0.25 ... 2.5cm ⁻¹ and 0.09 ... 0.11cm ⁻¹
Temperature compensation		Automatic or switched off
Temperature coefficient		<ul style="list-style-type: none"> • Non-linear function for natural water to ISO 7888 • Linear compensation from 0.001 ... 2.999%/K • No compensation
R 730 Cond		
GLP Functions	Real-time clock Calibration interval warning Memory Data-logging modes Data output	Powered by battery back-up After user-definable interval 800 data sets and calibration history Manual or automatic at user-definable intervals To screen or via RS232 to analogue recorders & PCs

R 720 Cond & R 730 Cond - Ordering Information

Cat. No.	Model	Description
720CSET	R 720 Cond	Simple and reliable conductivity meter, including LF 413 T conductivity cell and 1413µS/cm conductivity standard.
730CSET	R 730 Cond	Compact precision conductivity meter, including LF 413 T conductivity cell, passive multi function box and 1413µS/cm conductivity standard.
730CSETLOW	R 730 Cond	Purified water conductivity measurement system. Compact, precision conductivity meter with datalogger and serial interface, including LF 313 T conductivity cell, electrode stand and 147µS/cm conductivity standard.

PORTABLE DISSOLVED OXYGEN ANALYSIS SET

Handylab OX 12

The pocket oxygen meter Handylab OX12 in a shock proof, water tight housing is ideally suited to oxygen measurement on site, in rivers, lakes or effluent as well as for BOD measurements.

Measuring Parameters

- Oxygen concentration.
- Saturation index.
- Temperature.

Measurement Memory and Interface

- Manual datalogging mode.
- Automatic datalogging mode at user defined time intervals.
- Output to PC or printer via RS232 interface.

Measurement Accuracy

- AutoRead function provides drift control, ensuring accurate, reproducible result.
- Automatic calibration, using the air calibration vessel.
- Low maintenance, easy to replace membrane cartridges.
- Modern, galvanic sensor.
- Precise, fast reliable measurement.
- Ready for immediate measurement.

Supplied as a Complete Measurement Set.

The Handylab OX12 is supplied in a sturdy field case with the sensor 9009/61, sensor maintenance set OX 925 and the calibration vessel OxiCal®-SL. With this set you can start work immediately.



Technical Data

Handylab OX12

Range/ Resolution	O ₂ concentration: O ₂ saturation: O ₂ part pressure: Temperature:	0.00 ... 19.99mg/l, 0.0 ... 90.0mg/l 0.0 ... 199.9%, 0 ... 600% 0.0 ... 199.9mbar, 0 ... 1250mbar -5.0 ... +50.0°C
Accuracy	O ₂ concentration: O ₂ saturation: O ₂ part pressure: Temperature:	±0.5% of value ±0.5% of value ±0.5% of value ±0.1K
Temperature Compensation		2% at 0 ... +40°C
Air pressure Compensation		Automatic with built-in pressure sensor (500 ... 1100 hPa)
Salinity Correction		Automatic from 0.0 ... 70.0, adjustable via display
Calibration		Rapid calibration in OxiCal®-SL

Handylab OX12 - Ordering Information

Cat. No.	Model	Description
285202793	Handylab OX12-Set	Handylab OX12 case set. Supplied ready to use with 9009/61 oxygen sensor, calibration and maintenance accessories.

For details of Reagecon's Instrument Calibration and Validation services, please see page 28 - 29

inoLab® Oxi 730

Compact and Communicative

Laboratory oxygen meter with large multifunctional display for routine use in the laboratory. Automated functions such as air pressure correction, temperature compensation and OxiCal® rapid calibration make work easier. The Datalogger, analog and digital output RS 232 guarantee QA-conforming documentation.

Features

- Simplified operator convenience.
- Easy to clean touch sensitive keypad.
- Real-time clock
- Integral memory, with manual and automatic data logging modes
- RS232 output for connection to analogue recorders and PCs allows QA-conforming documentation

The OX 1400 Stir, can be operated by the inoLab® Oxi 730 for BOD 5 determination according to EN 1899-1 and EN 1899-2.

OX 1400 Stir Oxygen Sensor

Self stirring oxygen sensor – simultaneous stirring and measurement

- Single handed operation for rapid series measurements.
- Constant approach flow for high reproducibility.
- Extremely low self consumption of oxygen – only $0.008\mu\text{g h}^{-1} (\text{mg/l})^{-1}$.
- Includes calibration vessel OxiCal-ST.
- Temperature compensation.
- Membrane leakage monitoring.

Technical Data

inoLab Oxi 730

Range/ Resolution	O ₂ concentration: O ₂ saturation: O ₂ part. pressure: Temperature:	0.00 ... 19.99mg/l, 0.0 ... 90.0mg/l 0.0 ... 199.0%, 0 ... 600% 0.0 ... 199.9mbar, 0 ... 1250mbar -5.0 ... +50.0°C
Accuracy (± 1 digit)	O ₂ concentration: O ₂ saturation: Temperature:	±0.5% of value ±0.5% of value ±0.1K
Temperature Compensation		0 ... +50°C automatic via IMT compensation
Salinity Correction		Automatic from 0.0 ... 70.0 adjustable via display
Calibration		OxiCal rapid calibration in OxiCal-ST

inoLab Oxi 730 - Ordering Information

Cat. No.	Model	Description
730DOSET	inoLab Oxi 730	GLP-compliant dissolved oxygen and BOD meter, with self stirring oxygen sensor OX 1400 Stir and sensor accessories.



PORTABLE MULTI-PARAMETER ANALYSIS SET

R 350 Multi – The Complete Environmental Suite

The R 350 Multi provides the most comprehensive environmental measurement package. Full regulatory and GLP compliance can be achieved with this instrument, which can simultaneously record and display pH, conductivity, dissolved oxygen and temperature.

The Instrument

- High Resolution backlit display – all 4 parameters can be read simultaneously in all conditions
- Unrivalled accuracy and reproducibility
- Powerful, but simple to use – menu driven control of measurement, calibration and memory functions
- User definable Temperature Compensation for all parameters
- Salinity correction for Dissolved Oxygen readings
- Real-time clock
- High capacity data logging for 1,500 measurement sets.
- Long-life rechargeable NiMH batteries for outstanding durability
- RS232 for output to analogue recorders and PCs – supplied with MultiLab software for transferring and manipulating measurement data.
- Complete compliance with GLP requirements



The Sensors

The R 350 Multi is supplied with the **LFOx1400** combined conductivity and galvanic dissolved oxygen sensor and a **BlueLine 24-3** pH electrode.

- Low maintenance sensors ideal for measurement on the move
- High fouling resistance suitable for extreme applications
- Rapid and accurate response even at extreme temperatures
- 3m cable as standard can be used in a wide range of measurement locations



The Complete Package

A high quality instrument and excellent sensors are obvious requirements to produce accurate results; but these alone are not sufficient to give trouble-free, fit for purpose measurements. The R 350 Multi is supplied as a complete measurement system that includes:

- Calibration Standards & Accessories
 - Reagecon's high specification pH buffers and conductivity standards enable accurate calibrations to be performed, ensuring accuracy for test readings
 - The unique OxiCal® calibration vessel allows fast and accurate calibration of the oxygen sensor
- Care & Maintenance Accessories
 - Storage solutions and vessels ensure that the sensors can be kept in optimum condition when not in use. As well as extending the sensors' lives this maintains speed and accuracy of response.
 - Full oxygen sensor maintenance kit – the membranes are mounted on screw-on modules so that replacement is a straightforward operation.



For details of Reagecon's Instrument Calibration and Validation services, please see page 28 - 29

- MultiLab PC Software
 - Measurement and calibration data can be quickly and easily transferred to a PC
 - Data can be manipulated in tables or graphs
 - Allows for permanently documented results for compliance with quality and regulatory requirements
- Carry-Case – The Mobile Laboratory

All of these items are supplied in a single, purpose built carry-case. A mobile laboratory the size of a brief-case:

 - Sturdy, impact-resistant casing
 - Moulded compartments for all items for safety during transit
 - The electrode arms and calibration solution bottles allow comfortable calibrations and measurements to be made anywhere – the 350 Multi is the ultimate mobile laboratory.
 - Sensors and cables have covered, protective compartments – there are no trailing cables
 - The case includes instruction manuals and a mains adaptor for recharging the instrument's batteries

Technical Data

R 350 Multi			
	pH measurement	Oxygen measurement	Conductivity measurement
Range/ Resolution	pH: -2 ... 20.000 -2.00 ... 20.00 mV: 999.9 ... +999.9 -2000 ... +2000 Conc.: 0.01 ... 2000mg/l Temp.: 0.0 ... 105.0°C	O ₂ conc.: 0.00 ... 20.00mg/l 0.0 ... 90.0mg/l O ₂ saturation: 0.00 ... 200.0% 0.0 ... 600% O ₂ part. press.: 0.0 ... 200.0mbar 0.0 ... 1250mbar Temp.: 0.0 ... 50.0°C	0.0µS/cm ... 2000mS/cm in 5 ranges in AutoRange mode additional: 0.00µS/cm ...20.00µS/cm (K=0.1 cm ⁻¹) 0.000µS/cm ...2.000µS/cm (K=0.01 cm ⁻¹) Temp.: 5.0 ... +105.0°C Salinity: 0.0 ... 70.0 TDS: 0 ... 2000mg/l Spec. resistivity: 0.00 ... 2000MΩhm Cond: ±0.5% of value
Accuracy (±1 digit)	pH: ± 0.004pH, ± 0.01pH mV: ± 0.2mV, ± 1mV	O ₂ conc.: ±0.5% of value O ₂ saturation: ±0.5% of value O ₂ part. press.: ±0.5% of value	5.0 ... 100°C • Linear and non-linear function according to ISO 7888 • Linear comp. from 0.01% ... 3.00%/K • Compensation can be switched off NTC 30kΩhm: ± 0.1K Pt 1000: ± 0.1K
Temperature Compensation	Automatic 5 ... +105.0°C Manual 20 ... +130°C NTC 30kΩhm: ± 0.1K Pt 1000: ± 0.1K	0°C ... +50°C (on ambient temperature +5...+30°C) <2 % at 0 ... +40°C Temperature: ±0.1K	20 °C/25 °C
Air Pressure Compensation	---	Automatic with built-in pressure sensor (500 ... 1100 hPa)	---
Salinity Correction	---	Automatic or manual	---
Ref. Temperature selectable	---	---	20 °C/25 °C
Cell Constants	---	---	Fixed 0.01cm ⁻¹ By Calibration 0.090 ...0.110cm ⁻¹ 0.250 ...2.500cm ⁻¹ 0.450 ...0.500cm ⁻¹ 0.800 ... 1.200cm ⁻¹

R 350 Multi - Ordering Information

Cat. No.	Description
350SET	Robust and waterproof pocket multi-parameter instrument with datalogger and serial interface, including BlueLine 24-3pH electrode and LFOx1400 combined conductivity and dissolved oxygen sensor, NiMH batteries and battery charger, PC communication package, professional case and calibration standards.

R 750 – The Definitive Laboratory Instrument

The R 750 sets a new benchmark for precision and functionality for pH, conductivity, redox and ion analysis. Its conductivity input and 2 pH/redox/ISE inputs are galvanically isolated to prevent electrical cross-interference. The readings from all 3 inputs can be displayed and recorded simultaneously. The advanced function sets are all easily accessed from drop-down menus and features such as password-protected operator levels ensure compliance with all QA & GLP requirements.

Powerful, but easy to use

- Large, backlit display
- Simultaneous display and logging of all 3 measurement inputs
- Graphical display of readings
- Menu-driven operation allows rapid access for all functions
- User prompts from menus

Accuracy & Repeatability

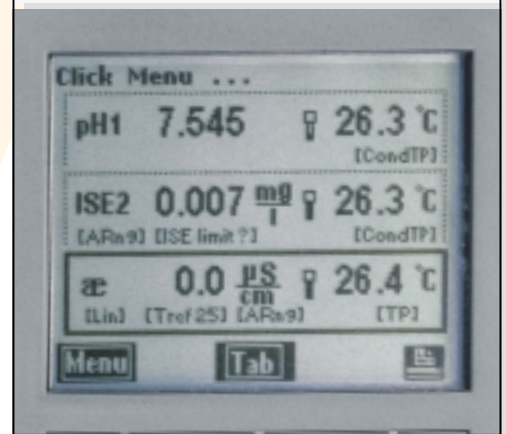
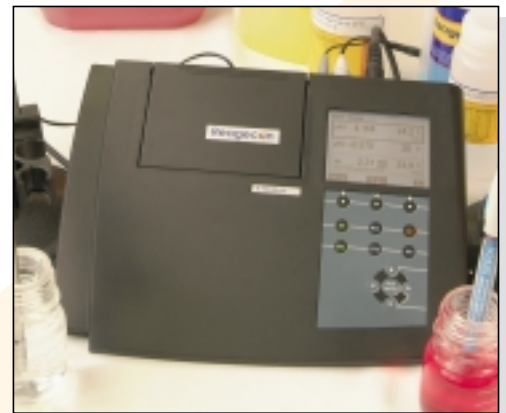
- High resolution and accuracy on all measurements
- Choice of conductivity cells
- Up to 5-point calibration for pH measurement
- Up to 6-point calibration for ISE measurement
- Standard addition, subtraction and blank correction methods for ISE
- AutoRead function automatically provides drift control, ensuring reproducible results
- Detailed calibration data, including sensor evaluation

Advanced Communications

- Bidirectional RS232 output for use with analogue recorders and PCs
- Supplied with MultiLab PC software for advanced data management
- Supplied with connection cable for PC keyboards for entry of alpha-numeric IDs
- Connection cable for barcode readers

Full GLP Feature Set

- Password-protected operator levels
- Real-time clock
- 2,500 data set memory
- Manual and Automatic data logging modes
- Alpha-numeric data and operator ID entry
- Comprehensive calibration protocol and measurement data



Technical Data

	pH / Ion Measurement	Conductivity Measurement
Range / Resolution	pH: -2.000 ... 20.000 pH -2.00 ... 20.00 pH mV: -999.9 ... +999.9 mV -2000 ... +2000 mV Conc: 0.01 mg/l ... 200 g/l Temp: -5.0 ... +105.0 °C	0.0 µS/cm ... 2000 mS/cm in 5 ranges in AutoRange mode also: 0.00 ... 20.00 µS/cm (k=0.1cm ⁻¹) 0.000 ... 20.000 µS/cm (k=0.01cm ⁻¹) Temp: -5.0 ... +105.0 °C Salinity: 0.0 ... 70.0 TDS: 0 ... 2000 mg/l Resistivity: 0.00 ... 2000M Ω
Accuracy (±1 digit)	pH: ± 0.004 pH, ± 0.01 pH mV: ± 0.2 mV, ± 1 mV	Conductivity: ± 0.5% of value
Temperature compensation	Automatic: -5.0 ... +105.0 °C Manual: -20 ... +130 °C NTC 30k Ω: ±0.1 °C Pt 1000: ±0.1 °C	-5.0 ... +100 °C • Linear and non-linear functions for pure and natural waters to ISO 7888 • Linear compensation – 0.01 ... 3.00 %/K • Compensation can be switched off
Reference Temperature		20 °C / 25 °C - selectable
Calibration / Cell constants	pH: Choice of 5 pre-programmed buffer sets. Up to 5-point calibration ISE: Choice of 16 concentration values. Up to 6-point calibration	Fixed 0.01 cm ⁻¹ Selectable / 0.090 ... 0.110 cm ⁻¹ By calibration 0.250 ... 25.000 cm ⁻¹

R 750 – The Definitive Laboratory Instrument - Ordering Information

Cat. No.	Description
750SET	R 750 conductivity & pH meter set. Professional pH, conductivity & ISE laboratory meter with menu-driven operation, user identification, realtime clock, datalogger, RS232 for data transfer. Supplied ready for GLP use with a BlueLine 14pH electrode, LF 313 T low conductivity sensor, cantilever electrode stand, professional buffers, conductivity standards and electrode storage solution