

NEW



Incremental Methods

Advanced Incremental Methods

Menu-driven user interface

IP 43



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3 Years Warranty

Advanced increment methods

Free software downloads

Comprehensive documentation options

Laboratory Ionmeters

inoLab® pH/ION 735

pH, mV and Concentration Measurements with a single Instrument

Whether routine measurements or demanding analysis: the new pH/ION 735 is the ideal precision instrument for all uses. A graphical user interface makes high-resolution pH and ion measurement easy and comfortable. 3-point calibration for pH and up to 7 calibration points for ion measurements guarantees a high-precision measurement by calculating non-linear calibration curves. The Model pH/ION 735 has user defined method capability as well as preprogrammed incremental techniques.

For those who need to document their results: a datalogger with storage for 4,500 entries, bi-directional RS 232 interface, real-time clock, and GLP-supporting calibration protocols, as well as date, time and selectable sample identification number identify all data sets.

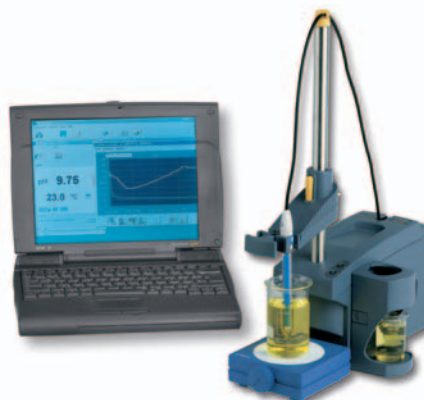
inoLab® pH/ION 740

flexible and powerful

High-performance pH/mV/ion meter with graphic display and digital recorder function for pH, temperature and ion-selective measurement, automatic temperature compensation, high resolution (0.001 pH), MultiCal® calibration system, built-in measurement storage with GLP-conform documentation and digital interface. PC keyboard interface for connecting an external keyboard or barcode reader, and software for direct control by PC is included. With a built-in printer option available.

Features

- 5-point calibration by linear regression
- Selectable buffer sets
- Graphic evaluation possible
- Built-in digital recorder
- Connection for bar-code reader or PC keyboard
- User Selectable Languages
- Multi-Level GLP Functions (password-protected operator levels)
- Free-of-charge downloads for MultiLab® pilot or terminal
- Four to seven point ISE calibration with a modified nikolski algorithm
- Known addition, double-known addition and known subtraction
- Sample addition/subtraction
- Blank value addition



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inoLab[®] pH/ION/Cond 750



Premium class from WTW:

Two galvanically separated inputs allow independent measurements of pH-value, ORP or ion concentration. For accurate measurements along the characteristic curve of the electrode it is possible to carry out calibrations with up to seven standard solutions. The calculation of the calibration curve by using a modified Nikolski algorithm also takes the non-linear parts of the curve in to account. The following methods are used to evaluate the ionic concentration:

- Known addition/known subtraction
- Sample addition/sample subtraction
- Double known addition
- Blank value correction
- Known addition with blank value correction
- Reference measurement

A further highlight of this instrument is the possibility of conductivity measurement. Not only can specific resistance, salinity, and TDS be determined but also sample specific temperature coefficients. A wide range of additional functions like data administration, PC-operation by MultiLab[®] pilot, GLP-compliant calibration and data recording allow an easy integration into modern laboratory environment.

For further details see page 54.

- Two galvanically separated pH/mV/ISE inputs
- Menu-operated with back-lit graphic display
- One pH and one ISE calibration record per each input

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Technical Data inoLab® pH/ION 735 and 740

Model	pH/ION 735	pH/ION 740
Range/Resolution	pH: -2.000 ... +20.000 pH mV: -999.9 ... +999.9 mV -2000 ... +2000 mV	-2.000 ... +20.000 pH -999.9 ... +999.9 mV - 2000 ... +2000 mV
Temperature:	23 ... 221 °F (-5 ... +105 °C/0.1 °C)	23 ... 221 °F (-5 ... +105 °C/0.1 °C)
Conc.:	0.000 ... 10.000 mg/l 0.00 ... 100.00 mg/l 0.0 ... 1000.0 mg/l 0 ... 2000 mg/l	Measuring range 1 (Resolution): 0.000 ... 9.999 (0.001) mg/l Measuring range 2: 0.00 ... 99.9 (0.01) mg/l Measuring range 3: 0.0 ... 999.9 (0.1) mg/l Measuring range 4: 0 ... 1999 mg/l
Accuracy (±1 digit)	±0.004 pH ±0.2 mV, ±1 mV ±0.1 K	±0.004 pH ±0.01 pH ±0.2 mV, ±1 mV ±0.1 K
Calibration	MultiCal® automatic calibration: AutoCal 2-/3-/4-/5-point AutoCal-Tec 2-/3-/4-/5-point ConCal® 1-/2-point ISECal 2- to 7-point Special functions: Known addition (single) Known subtraction, Sample addition, Sample subtraction, Blank value addition, Blank value correction	2-/3-/4-/5-point 2-/3-/4-/5-point 1-/2-point 2- to 7-point Special functions: Known addition (single and double)

Technical Data inoLab® pH/ION/Cond 750

Model	pH/ION/Cond 750	
Range/Resolution	pH: -2 ... 20.000 pH -2.00 ... 20.00 pH mV: -999.9 ... +999.9 mV -2000 ... +2000 mV Conc.: (mg/l) 0.000 ... 10.000 0.00 ... 100.00 0.0 ... 1000.0 0 ... 2000 Temperature: 23 ... 221 °F (-5 ... +105 °C)	
Accuracy (±1 digit)	pH: ±0.004 pH ±0.01 pH mV: ±0.2 mV, ±1 mV	
Temperature compensation	Automatic: 23 ... 221 °F (-5 ... +105 °C) 23.0 ... 212 °F (-5.0 ... 100 °C) Manual: -4 ... 266 °F (-20 ... +130 °C) NTC: 30 KOhm: ±0.1 Pt 1000: ±0.1 K	
Calibration	MultiCal® automatic calibration: AutoCal 2-/3-/4-/5-point AutoCal-Tec 2-/3-/4-/5-point ConCal® 1-/2-point ISECal 2- to 7-point Special functions: Known addition (single and double) Known subtraction, Sample addition, Sample subtraction, Blank value addition, Blank value correction	

Ordering Information

inoLab® Laboratory Ionmeters – with wide-range power supply 100-240 VAC (50/60 Hz) included		□ with BNC plug	▲ with DIN plug
		□ Order No.	▲ Order No.
pH/ION 735P	inoLab® pH/ION 735P with built-in printer for GLP-conform documentation	1G21-210	1G21-110
pH/ION 740P	inoLab® pH/ION 740P with built-in printer for GLP-conform documentation; extended measuring and storage options	1G31-210	1G31-110
pH/ION/Cond 750	Flexible and powerful precision bench-top pH/mV/Ion/conductivity-meter with two inputs, single instrument	1K30-210	1K30-110

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