

# Benchtop Ion/pH/mV/°C Meter



## Safety Features:

- During the pH mode, Up to 5 points push-button calibration with auto-buffer recognition.
- Selectable pH buffer standards and temperature units.
- Automatically calculates and displays electrode slope after calibration.
- During the ion mode, 2 to 5 points push-button calibration from low to high concentrations
- Direct readout ion concentration simplifies the elaborate measurement process.
- Automatic Temperature Compensation (ATC) ensures highly accurate measurements over the entire range.
- Automatic endpoint function freezes the stable measured values for easy reading and recording data.
- Calibration due reminder prompts you to calibrate the meter regularly.
- Help message as a operational guide to helps you understand how to use meter.
- Setup menu lets user customizes buffer standards, calibration points, stability conditions, resolution, measurement units, date and time to meet measurement requirements.
- Reset function can resumes all settings to factory default values.
- Built-in real-time clock stamps stored data to meets GLP standards.
- Stored data can be transferred into computer via USB communication interface.

## Safety Features:

Model	BIM-340
pH Range & Accuracy	-2.000 - 20.000pH & ±0.002pH
Resolution	0.001,0.01,0.1pH ( Selectable )
Ion Concentration Range	0.001-19999 ppm,mg/L,mol/L (Selectable Depending on meas. Range of Ion Selective Electrode)
Ion Concentration Accuracy	±0.5% Full Scale ( Monovalent),±1% Full Scale (Divalent)
mV Range & mV Accuracy	-.11999.9 mV & ±0.2mV
Temperature Range & Accuracy	0-105°C, 32-221°F & ±0.5°C,±0.9T
Calibration Points	Ion / pH : Up to 5 Points
pH Buffer Groups	USA (011.68,4.01,7.00,10.01 ,12A5), NIST (pH1.68,4.01, 6.86,9.18,12.45), DIN (011.09,4.65,6.79,9.23,12.7 OR User Define)
Memory and Output	500 data sets with Date/Time stamping, USB Communication interface.
Connector & Hold Function	BNC & Selectable
Temperature Compensation	0-100t,32-212 F,Automatic or Manual
Stability Conditions	Low or High, Selectable
Calibration due reminSder	1 to 31 days or Off
Power Supply	DC 5V adapters, using AC 220V / 50Hz,
Dimensions LxWxH (mm) & Weight	210 x 188 x 60 & 1.2kg

Electrodes	Concentration Range ( molar)	ION SELECTIVE Limits (ppm)	ELECTRODES Temperature Ranget	Main Interferences
Calcium [Ca <sup>++</sup> ]	10 <sup>-1</sup> to 5.10 <sup>-7</sup>	4,010 to 0.02	5 to 50	Ba, Al, Sr
Chloride [ Cl <sup>-</sup> ]	1 to 5.10 <sup>-5</sup>	35,500 to 1.8	5 to 50	I, Br, CN, S
Fluoride [ F <sup>-</sup> ]	10 <sup>-1</sup> to 10 <sup>-6</sup>	1,900 to 0.02	5 to 50	OH
Nitrate [ NO <sub>3</sub> ]	1 to 7.10 <sup>-6</sup>	62,000 to 0.4	5 to 50	Cl, NO
Bromide [ Br ]	1 to-5.10 <sup>-6</sup>	81,000 to 0.4	5 to 50	I, S, CN
Sodium [Na <sup>+</sup> ]	1 to .10 <sup>-5</sup>	23000 to 0.2	5 to 50	Li, K
Cadmium [Cd <sup>++</sup> ]	1-1 to 10 <sup>-6</sup>	11200 to 0.1	5 to 50	Ba, Cu, Ag, Hg
Iodide [ I <sup>-</sup> ]	1-1 to 10 <sup>-5</sup>	127000 to 1.2	5 to 50	S, CN

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## About Analytical Technologies



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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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<b>Corporate &amp; Regd. Office:</b> Analytical House, # E67 & E68, Ravi Park, Vasna Road, Baroda, Gujarat 390 015. INDIA	T: +91 265 2253620 +91 265 2252839 +91 265 2252370 F: +91 265 2254395	E: <a href="mailto:info@hplctechnologies.com">info@hplctechnologies.com</a> <a href="mailto:info@multiplelabs.com">info@multiplelabs.com</a> <a href="mailto:info@analyticalgroup.net">info@analyticalgroup.net</a> <a href="mailto:info@analyticalbiomed.com">info@analyticalbiomed.com</a>	W. <a href="http://www.ais-india.com">www.ais-india.com</a> <a href="http://www.analycalgroup.net">www.analycalgroup.net</a> <a href="http://www.hplctechnologies.com">www.hplctechnologies.com</a> <a href="http://www.multiplelabs.com">www.multiplelabs.com</a>	Sales & Support Offices: across the country : Distributors & Channel partners World Wide