

## ION ANALYSER

# LI 126

PRODUCT SPECIFICATION SHEET



**Microprocessor based Two Channel Ion Analyser with Printer Interface.**

**Direct measurement of pX (activity), pH, ORP, EMF, Concentration and Temperature.**

**Programmable calibration upto 10 points with Memory Backup.**

### SALIENT FEATURES

- ▷ 7" Touch Display
- ▷ Built-In Windows CE (Registered) PC
- ▷ Simultaneous Measurement of Two Channels
- ▷ Storage for more than 1000 Samples
- ▷ USB & TCP/IP Interface for Data Transfer
- ▷ Analysis - by direct & Incremental (Standard & Analyte addition & subtraction) methods.
- ▷ Standard Data Storage Facility.
- ▷ Unit Conversion possible in concentration analysis.
- ▷ Automatic Temperature Compensation, Slope Correction and Asymmetric Potential correction for pH.
- ▷ Pt 100 based Temperature measurement.
- ▷ Open Temperature Sensor Indication.
- ▷ Optional PC Software Interface.
- ▷ Useful for Oxidation reduction potential (ORP or REDOX) measurements-manually.



Table Top



Touchscreen



Electrode

### APPLICATIONS

**For Analysis of various ions in water and a variety of aqueous & no aqueous solutions used in**

- ▷ Aquaculture, Agriculture, Fertilizers, Soil Testing, Food, Dairy, Beverage, Breweries and Distilleries, Sugar, Pharmaceutical, Textile, Glass, Chemical and other Industries.
- ▷ Biomedical and Clinical Laboratories, Corrosion, Pickling, Electroplating, Photo Engraving, Anodizing & Polishing Process, Power Plants & Effluents, Geology, Mining etc.



Agriculture



Fertilizers



Food & Beverages



Water



Sugar



Mines & Geology



Textiles



Chemical

## SPECIFICATIONS

MODE	pH	pX(Activity)	mV	Temp °C	Concentration (PPM)
Range	-2 to 20	-2 to +20	±2000	0 to 100	0.001 to 19999
Accuracy	±0.002*	-- <sup>(1)</sup>	±0.2	±0.1	0.5% FS
Repeatability	0.001	0.001	0.1	0.1	--

SENSOR INTERFACE		TEMPERATURE COMPENSATION
Input Impedance Ω @25 °C	>10 <sup>13</sup>	0 to 100 °C Auto /Manual
Receptacle	BNC and Banana (2 no's)	

PHYSICAL DIMENSIONS	INSTRUMENT	STIRRER
Size (WxDxH) in mm	200 x 165 x 125	150 x 65 x 100 <sup>(2)</sup>
Weight (in kg)	Approx. 5	Approx. 0.7

DATA PRESENTATION
7" Graphical User Interface

POWER REQUIREMENT
90-260 V AC, 50-60 Hz, 1 Φ, 15 VA Max.

ACCESSORIES SUPPLIED	
With Instrument	RTD Probe, Stirrer GI 631 with Electrode stand and holding clamp and Stirring Capsule, Buffer Tablets and Polythene Bottles.
At extra Cost	Ion Selective Electrodes and corresponding standard solutions, background Electrolytes or ionic strength adjusters, Reference Electrodes - Single or Double Junction, Glass pH Electrodes and Reference Electrodes or Combination pH Electrodes, Metallic Platinum & Silver and Calomel Reference Electrodes for end point detection in titration.

\* Conforms to IS2711-1979.

<sup>(1)</sup> Depending on the standards.

<sup>(2)</sup> Excluding 290 mm long Electrode Stand

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