



µP Water/Soil Analysis Kit (Model : VSI-301)



FEATURES

Measures pH, ORP, Conductivity, TDS, Salinity, D.O. & Temperature	
Highly Accurate & Stable	User Friendly & Menu Driven Software
Mains Cum Battery Operated	Computer & Printer Attachment Facility
Storage for 1000 Samples	16 x 2 Lines Alphanumeric LCD Display

The VSI make Portable Microprocessor Based Water/Soil Analysis Kit (VSI-301) is suitable for measurement of seven parameters i.e. pH, ORP, Conductivity, TDS, Salinity, Dissolved Oxygen & Temperature of any solution. This Mains/Battery operated kit is housed in a rugged fibre glass briefcase with provision to keep all the accessories inside. A 12V battery is provided within the kit that makes it extremely useful for field and laboratory use. The use of latest microcontroller technology makes it reliable, accurate, easy to operate and low power consuming instrument. RS-232 & Parallel output is available for interfacing to Computer/Printer.

SPECIFICATIONS

pH Measurement

Range	: 0-14 pH
Resolution	: 0.01pH
Accuracy	: ± 0.01 pH (Relative)
Temp. Compensation	: Automatic with Pt-100 Probe & Manual By Keys
Buffer Recognition	: 4.00, 7.00 & 9.20 (Automatic)
Calibration	: Automatic & Manual 2 Point, 3 Point (Programmable)

mV/ORP Measurement

Range	: - 1999 to +1999 mV
Resolution	: 1 mV
Accuracy	: ± 0.1% ± 1 Digit
Calibration	: Manual

Conductivity Measurement

Range	: 0-1000 mS/cm
Range Selection	: Automatic
Resolution	: 0.01 uS/cm
No. of Ranges	: Six
Accuracy	: ± 0.5%
Temp. Compensation	: Automatic with Pt-100 Probe
Ref. Temperature	: 25°C / 20°C (Programmable)
Temp. Co-efficient	: 0-4% Adjustable
Cell Constant	: 0.05 to 2.0 Adjustable

Salinity Measurement

Range	: 0-50 ppt
Resolution	: 0.1 ppt
Temp. Compensation	: Automatic
Accuracy	: ± 0.5%
Salinity Factor	: 0.75 By Default (Adjustable)

TDS Measurement

Range	: 0-200 ppt
Range Selection	: Automatic
No. of Ranges	: Five
Resolution	: 0.1 ppm
Accuracy	: ± 0.5%
TDS Factor	: 0.5 By Default (Adjustable)

Temperature Measurement

Range	: -20°C to +200°C
Resolution	: 0.1°C
Accuracy	: ± 0.2% + 1Digit
Input/Sensor	: Pt-100 Probe
Calibration	: Manual

Dissolved Oxygen Measurement

Range	: 0 to 20 ppm
Resolution	: 0.1 ppm
Calibration	: Automatic
Accuracy	: ± 0.2 ppm ± 1Digit
Temp. Compensation	: Automatic with Pt-100 Probe & Manual By Keys
Pressure Comp.	: 0-999 mm of Hg (Manual)
Salinity Correction	: 0-20 mg/l

General

Display	: 16 Characters x 2 Lines Alpha Numeric LCD
Display Format	: Temperature & Parameter Simultaneously
Real Time Display	: 24 Hour Mode With Date & Time
Controls	: By Soft Keys Menu Driven
Storage Memory	: Upto 1000 Samples
Power Supply	: 230 V ± 10%, 50 Hz AC or 12 V Battery
Digital Output	: Serial RS-232 & Parallel Centronics
Print Format	: All Data/Date Wise (Programmable)
Error Indication	: pH Error,ORP Error,T-Error

ACCESSORIES : pH Electrode, Buffer Solutions, Conductivity/TDS/Salinity Cell , Temp. Probe , DO Probe, DO Membranes, KCL Solution , Operation Manual, **ORP Electrode AT EXTRA COST ONLY.**

Design & Specifications are subject to change due to continuous development.

Manufactured By :

VSI ELECTRONICS PVT. LTD.

(An ISO 9001 : 2008 Certified Company)

F-330, Phase VIII-B (Sector-74), Industrial Area,

S.A.S Nagar, Mohali, Chandigarh-160 071 (India)

Mobile : +91-98140-16463, 98550-76463, Telefax : +91-172-2227238,

e-mail : vsielectronicsmohali@gmail.com WEB : <http://vsielectronics.webs.com>

Authorised Dealer :