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# Digital Water & Soil Analysis Kits

Highly Accurate, Reliable, Rugged & Portable Instruments for Field and Laboratory Use



- ❖ Highly Accurate & User Friendly
- ❖ Measures D.O., O.R.P., pH, T.D.S., Conductivity, Salinity & Temperature
- ❖ Turbidity Measurement in Model VSI-06T
- ❖ Housed in Rugged (V.I.P. Make) Briefcase
- ❖ Mains cum Battery Operated
- ❖ 3½ Digit LCD Display

**VSI Electronics Pvt. Ltd.**

## DIGITAL WATER/SOIL ANALYSIS KIT

The **VSI make Portable Digital Water/Soil Analysis Kit** consist of five models, is suitable for measurement of Dissolved Oxygen, Oxidation Reduction Potential, pH, Total Dissolved Solids, Conductivity, Salinity, Temperature and Turbidity (depending on the model). These Mains/Battery Operated kits are housed in a rugged fibre glass briefcase (V.I.P. make) with provision to keep all the accessories inside. Because of its compactness these are useful in field as well as laboratory. The kits with the use of all solid state components and latest LSI technology are very much reliable in the tough environments of the field. Model can be selected as per parameters required.

### TECHNICAL SPECIFICATIONS

MODELS	1. D.O. MEASUREMENT	
	Range Temp. Compensation (Manual) Resolution Accuracy	0 to 20 ppm 10°C to 50°C 0.1 ppm. ±0.3 ppm ± 1 digit
<b>VSI-06 : SIX PARAMETERS</b> Dissolved Oxygen, Oxidation Reduction Potential (ORP), pH, Total Dissolved Solids (T.D.S.), Conductivity & Temperature	<b>2. O.R.P. MEASUREMENT</b>	0 to ± 1999 mV 1 mV ± 1mV± 1 digit
<b>VSI-06D : FOUR PARAMETERS</b> - Oxidation Reduction Potential (ORP) - pH - Conductivity and - Temperature	<b>3. pH MEASUREMENT</b>	0 to 14 pH 0°C to 100°C 0.01 pH ± 0.01 pH ± 1 digit
<b>VSI-6D1 : FOUR PARAMETERS</b> - pH - T.D.S. - Conductivity and Temperature	<b>4. T.D.S. MEASUREMENT</b>	0 to 20000 ppm 10 ppm ± 1% FSD ±1 digit
<b>DELUXE MODEL</b> <b>VSI-06T : SIX PARAMETERS</b> - Dissolved Oxygen - pH - Total Dissolved Solids (T.D.S.) - Conductivity - Turbidity and - Temperature	<b>5. CONDUCTIVITY MEASUREMENT</b>	0 µS/cm to 1000 mS/cm- Selection in 5 Steps: 100µS, 1mS, 10mS, 100mS & 1000mS  0.01 micro Siemens (µS) ± 0.5% FSD ± 1 digit
<b>VSI-07 : SEVEN PARAMETERS</b> - Dissolved Oxygen - Oxidation Reduction Potential (ORP) - pH - Total Dissolved Solids (T.D.S.) - Conductivity - Salinity - Temperature	<b>6. SALINITY MEASUREMENT</b> <b>(Available in Model VSI-07 only)</b>	0 to 40 ppt 0.1 ppt ±0.5% ± 1 digit
	<b>7. TEMP. MEASUREMENT</b>	0°C to 100°C 0.1°C ±0.5°C ± 1 digit
<b>OPTIONAL ACCESSORIES ON REQUEST</b>	<b>8. TURBIDITY MEASUREMENT</b> <b>(Available in Model VSI-06T only)</b>	0 to 1000 NTU/JTU 1 NTU/JTU ± 3% FSD ± 1 digit Photo diode 6.8V 250 mA Lamp 30mm dia, Clear Glass Test Tubes
<b>These accessories are not supplied with the kits unless specifically demanded by the customer</b> - O.R.P. electrode VSI-W1 - Soil probe, 30 cm length VSI-W2 - ATC facility in conductivity parameter VSI-W3 - ATC facility in pH parameter VSI-W4	<b>GENERAL SPECIFICATIONS</b>	3½ digit LCD with automatic polarity & decimal indication. 10°C to 50°C 230V ±10%, 50Hz AC/Battery
<b>STANDARD ACCESSORIES</b> All kits will be supplied complete with ready to use probes, standard solutions, D.O. Membranes and Instruction Manual as per requirement of different models <b>except O.R.P. electrode. It is available on extra cost.</b>	Display  Operating Temperature Power Supply	

Specifications & designs are subject to change due to continuous R&D

Manufactured by :

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