



Digital Soil Test and Fertilizer Recommendation Kit (Digital Soil Testing Mini Lab). This soil testing kit helps farmers in testing 14 parameters of soil recommends crop-specific fertiliser dose for 100 crops within a short time and at a centre nearby, and thus helps them to achieve higher yields, increase their income and keeps soil fertile. The meter is Manufactured under license from ICAR - Indian Agricultural Research Institute (ICAR - IARI) Pusa Delhi.

33001	Digital Soil Testing Mini Lab SOIL TESTING METER: Determines 14 parameters of soil, recommends crop-specific fertiliser dose for 100 crops & prints Soil Health Card. Sends Soil Test Report on SMS. 5 hours in-built battery backup, solar charging functionality & computer connectivity. Contents: Soil Testing Meter, Rotary Shaker, Thermal Printer, Solar Panel, Small Weigh Balance, Glassware, Plasticware, Free Reagents Kit of 14 Parameters for 50 Samples.
33001A	Extra Reagents Kit (14 Parameters - 50 Samples) (Consumables Optional) Extra Reagents Kit adequate for detecting quantitative contents and getting crop-specific fertiliser Recommendations for 50 samples each for Organic Carbon (OC), Nitrogen (by calculation) (N), Phosphorus (P), Potassium (K), Zinc, Sulphur, Boron, Iron, Manganese, Electrical Conductivity (EC), pH, Lime requirement test for acidic soil & gypsum requirement test for alkaline soil. Kit sufficient to carry out 50 test samples for each parameter.
33001B	Extra Reagents Kit (14 Parameters - 100 Samples) (Consumables Optional) Kit sufficient to carry out 100 test samples for each of 14 parameters.

#### 14 PARAMETERS OF SOIL:

1. Available Organic Carbon (OC)
2. Available Nitrogen (N)
3. Available Phosphorous (P)
4. Available Potassium (K)
5. Available Zinc (ZN)
6. Available Sulphur (S)
7. Available Boron (B)
8. Available Iron (FE)
9. Available Copper (CU)
10. Available Manganese (MN)
11. Electrical Conductivity (EC)
12. pH
13. Lime Requirement Test For Acid Soil
14. Gypsum Requirement Test For Alkaline Soil

#### Benefits of using Kit:

- Helps in determining the available nutrients in the soil.
- Helps in determining the correct dosage of fertilisers according to The crop.
- Saves money of farmers nation by optimal usage of fertilisers.
- Optimal use of fertiliser also ensures good health of ground water.
- Prevents soil deterioration maintains soil fertility|increases crop yield hence farmers have more income.
- Soil tests can be done within a short time frame.
- Testing can be done at a Centre near a Village or Panchayat.
- Accurate reliable digital results.
- Easily portable to any region.
- Can be handled by an Under Graduate level person after free training.
- Issues printed Soil Health Card also sends Soil Test Report on SMS

#### Features Digital Soil Testing Mini Lab:

- Tests 14 parameters of soil
- Recommends crop-specific fertiliser dose 100 crops
- Prints Soil Health Card
- Sends Soil Testing Report on Mobile
- Has 6-hours in built battery back-up
- Has solar charging functionality
- Comes with Pen Drive with training videos and printed User Manual

#### Contents of the Kit:

- Digital Soil Testing Meter (Chemicals Kit)
- With 6-hours in built battery back-up & solar charging functionality (Can be later refilled)
- EC & pH Electrodes
- Thermal Printer
- Rotary Shaker Platform Size: 300mm x 300mm
- Reagents Kit for 14 parameters of 50 samples
- Solar Panel
- Accessories Kit
- Plasticware
- Glassware
- Pocket Size Weigh Balance
- Pen Drive with Training Videos
- Printed User Manual

Note: Specifications are subject to change.

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