

Digital Methylene Blue Clay Tester



1.0 Product Information:

1.1 General Information

The fully automatic Digital Methylene Blue Clay Tester has been designed for checking the active clay percentage in bentonite bonded sands.

This equipment is equipped with a heating, cooling, stirring and sensing systems which are electronically controlled. The equipment comes with a touchscreen display and the capability to communicate over Ethernet and Cloud Sync using V-Sync device

1.2 General Usage

Digital Methylene Blue Clay Tester is used to determine Active Clay of Foundry Moulding Sand.

After prepping the equipment, put in sand sample, Press start and wait for results.

1.3 Product Data

Product Name:	Digital Methylene Blue Clay Tester
Product Code:	VMBD
Order Reference Code:	V9001272
Electrical Supply Required:	230v 50Hz A.C. (Default) 110v 60 Hz A.C (Optional) Single Phase, Stabilized with Over/ Under Voltage cut-off.
Electrical Plug:	M type : 15 Amp Plug

Typical Maximum Current:	9.5 A at 230V AC
Compressed air Supply:	Dry air @5 Bar
Communication:	- Ethernet (Optional) - CloudSync using V-Sync
Dimensions: (WXBXH)	600x500x700 mm Machine 380x210x600 mm Panel 290x215x320 mm Refilling Tanks
Packing Dimensions:	700 mmx 750mm x 800 mm (WXBXH) Typical
Net Weight:	110 Kg Machine 20 Kg Panel 05 Kg Refilling Tank 135 Kg Net
Gross Weight:	Approximately 175 kg
Colour:	Factory Default
Measuring Range:	2-20 %
Traceable to:	Manufacture Standards
Least Count:	0.2% or Corresponding to 1 ml Methylene Blue Standard Solution
Specimen Requirements:	Representative sand sample
Operating Temperature:	0-50°C
Testing Standards:	AFS
Calibration Frequency:	950 nos. of Testing Cycles or Once in 6 months.

2.0 Scope of Supply

2.1 Inclusions in Supply Scope

- Active Clay Tester.
- MB Solution – 1 Ltr.
- Filter Paper – 1 Stack
- Metal Beaker – 1 No.
- Refilling Tanks with Bracket – 01 Set.
- Cleaning Brush.
- Calibration certificate.
- Instruction manual.

2.2 Exclusions in Supply Scope

- Data interfacing accessories.
- Anything that is not covered under Supply scope.

3.0 Recommended Pre-requisite Equipment

- Weighing Balance 300 grams. (Accuracy: 5mg)

4.0 Accessories

4.1 Calibration Kits

NA.

4.2 Attachments

NA.

5.0 Alternative Equipment

1. [Methylene Blue Clay Tester](#) ➤

6.0 Installations Instructions

Required Levelled (2mm) and sturdy platform.
(Equipment should be away from external source of vibration or electromagnetic interference.) Other Installation instruction shall be provided along with the equipment.

7.0 Consumables

Demineralized (DM) Water
Methylene Blue Solution
Filter Paper
Sulphuric Acid

8.0 Hazards

Burning Hazard: Heater temperature 270°C

Don't touch hot parts.

Wear Eye, Skin and Hand protection from hot water/methylene blue solution.

9.0 Additional Information

[Link to Web-Page](#) ➤

[Link to Video Demo](#) ➤

Disclaimer: Specifications and design of equipment may change without prior notice.