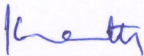


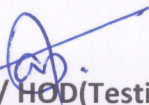
CIPET: CSTS-AURANGABAD

Technical Specification

Date: 05.09.2024

Viscometer (Digital with Touch Screen Display)		
Sr. No.	Parameters / Particulars	Specification Range
1	Instrument Included	Viscometer with all necessary accessories
Specification		
1	Dynamic Viscosity Range	3 mPa.S to 40M mPa.s or Better Specification
2	Speeds RPM	0.01 to 250 rpm or Better
3	Accuracy	± 1% of the range or Better.
4	Repeatability	± 0.2% or Better
5	Temp. Sensor	-10 to 100 DegC or Better
6	Temperature Probe	± 0.5°C Accuracy
7	Temp. Control	PID, Electrical Heating and Cooling
8	Display information	(Touch Screen Display) Viscosity, Speed, Torque, Shear Rate, Shear Stress, Temperature, Runtime, Spindle & Max. Viscosity, Target Time/Torque/Temperature etc.
9	Measurement/Mode	Multiple Point Analysis, Shear Scan, Temperature Scan, Speed Scan & Shear Control Mode etc.
10	Spindle Set	06 Spindle Set (RH) with DIN Accessories as per ISO 2555 & ISO 3219 (Made from AISI 316L Corrosive Resistance SS)
11	Lab Stand	To be provided or specify
12	Readings	cPs, mPas & Cst
13	Interface	Advanced PC interface with enhanced controls and a real-time test indicator, USB and Bluetooth interface with LAN & Power Connection
14	Software & Data Storage System	Inbuilt Software (User level, Password Protection, Multipoint Analysis), no additional PC needed to control all parameter. Data Memory System for Sample Testing Report Print/export option from storage.
15	Confirms to Standards	Comply to the IS 14182: 1994 (PVC Solvent Cement) & Paste Samples etc.
16	Warranty Period	Standards 2 Years
17	Necessary Features with Accessories :	
a.	With Stand assembly , USB Cable and Power Cord, Small Sample Adapter	
b.	UL Adapter	
c.	DIN Adapter	
d.	Required Viscosity Standards with NABL calibration certificates (Silicon Fluid): 500 cps & 5000 cps.	
e.	RTD Temperature Probe	
f.	Magnetic Spindle Coupling System with Quick Coupling System	
g.	Viscometer Stand along with Stop Ring.	
h.	Display Resolution: 0.1°C	
i.	Spindle Guard Leg: to be provided	
j.	Calibration Services: with Inbuilt reminder for Calibration / Mandatory Calibration Certificate	
k.	Should be compatible with helipath stand/Small Sample Adaptor/UL Adaptor/Thermoset	
l.	Bubble Level System / Digital Level System for Automatic Alignment Check.	


Sr. Tech. Asst.


Tech. Officer / HOD (Testing)