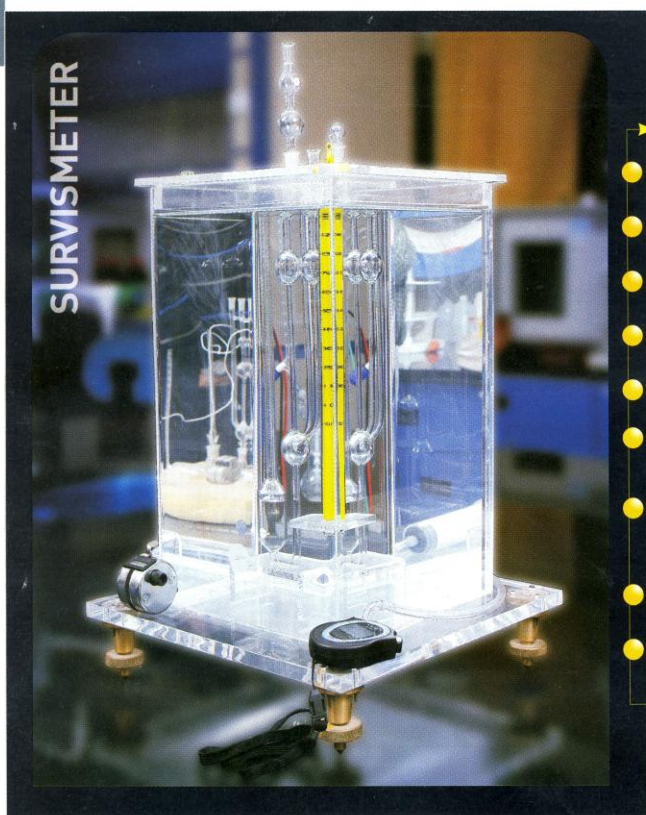


BOROSIL**Mansingh Survismeter**

(Singapore Govt. Patent No. 126089)

Borosil**Features**

- Multi data device
- Vibration free transparent casing
- Easy handling
- Easy sampling
- Easy data process
- No air contamination because the sample is jacketed within respective bulbs
- Boon for physicochemical characterization of volatile, inflammables, carcinogenic liquids
- Eco-friendly
- Homogeneous Temperature control

Cat No	Description	Quantity Per Case	Price ₹
3453	Borosil Mansingh Survismeter For Measurement of Surface Tension and Viscosity	1 Set	72000.00

For centuries surface tension (γ) and viscosity (η) data have been measured with individual instruments consuming much time and materials. Borosil Mansingh Survismeter has been designed and made of borosil glass material for surface tension, interfacial tension, wetting coefficient, viscosity and friccohesity data to rationalize frictional and cohesive forces, respectively. Friccohesity focuses a complete Friccochemistry of giants and supramolecular mixtures.

Borosil Mansingh Survismeter is a modern day very advanced apparatus for measurements of surface tension (± 0.01 mN/m), interfacial tension (± 0.01 mN/m), viscosity ($\pm 10^{-4}$ mPa.S), wetting coefficient (± 0.01 mPa.cm²) friccohesity ($\pm 10^{-6}$ s/cm) and related physicochemical parameters generated out of intramolecular electrostatical shifts.

Borosil Mansingh Survismeter, being a green science TSAD (Trusted Sustainable Analytical Device) measures above mentioned PCI (physicochemical indicators) together with 98% saving of experimental resources, infrastructure and skilled manpower, for Interacting and Reacting Molecular Materials.

Borosil Mansingh Survismeter is a new and novel breakthrough in laboratory instruments with wider analytical potential for quality control and formulations in material applied sciences. It has unique cutting edge and salient facilities and features based on n-in-one based on "On & Off" or 0 & 1" circuitry functional loops

- Fundamentally, it measures surface tension, interfacial tension, wetting coefficient, viscosity and Friccohesity together of aqueous, non-aqueous, aprotic dipolar, polar, protic polar and non-polar solvents and mixtures within wider ranges.
- The absolute and relative parameters are measured with 95.5% CV (confidence variance).
- It works on theory of R4M4 [Reduce Reuse Recycle Redesign] Multipurpose Multidimensional Multifaceted Multitracking of materials and methods with highly précised and accurate experimental results along 100% inhibition of polluting discharges in experimental determinations.
- The parameters measured with it are highly significant and reliable for quality analysis of pharmaceuticals, biochemicals, cosmetics, agrochemicals, food and beverages, petroleum and oils, polymer and proteins, sol gels, soaps and detergents, inks, colloids, emulsion technology, pesticides, agrochemicals, insecticides, cutting oils, lubricating, viscous, moderately viscous and highly viscous materials.
- It is especially useful for characterizing liquid mixtures of biopolymers, spuramolecular chemistry, biotechnological processes and molecular interacting engineering of the biomolecular devices, tracking interacting molecular forces, water binding capacities and structural changes during processes.
- It explains features of intramolecular multiple force theory (IMMFT) applicable for giant supramolecules, dendrimers and biocomplexes used in several adverse temperature and pressure conditions.
- It is an asset for volatile, moderately and highly volatile liquids and mixtures, volatile organic compounds, flammable liquids, carcinogenic materials as samples are completely jacketed especially for surface tension, interfacial tension, wetting coefficient determinations.

Merits of Borosil Mansingh Survismeter

- Fast and multipurpose technology
- Eco and user friendly
- Reduces fabrication expenditure
- Reduces glass blowing gases- oxygen gas, LPG and manpower
- Reduces heat emission to environment
- Safety in transport and maintenance
- Huge reduction in chemicals and solvents
- Promoting green chemistry
- Innovative for youngsters
- No wastage of Sample
- Less sample requirement
- Less time involved for analysis
- Basic maintenance free
- Non Destructive
- Reduces cleaning reagents
- Reduces operational steps in measurement
- Minimizes infrastructure as compared to individual devices

Industrial Applications

Industries like- Cosmetic, Soap and detergents, Petroleum and oils, Pesticides, Beverages, Textiles, Paints, Polymers and textiles, Paper pulp, Ink and Dyes, Medicines and Drugs, Food and mineral water, Coolants, Lubricants. will directly be benefited by the use of Borosil Mansingh Survismeter.

