



Product Description:-

Ultrasonic Interferometer (To Measure Ultrasonic Velocity in liquids)

Using this instrument several Ph.D. Thesis are awarded and innumerable Research papers are published in National & International Journals. Velocity measurement combining with other physical quantities provides information of more than 30 Parameters. For ready reference few

The Ultrasonic Interferometer consists of the parts:-

- HIGH FREQUENCY GENERATOR: Single frequency
- MEASURING CELL: Max. displacement of the reflector : 20 mm Required Quantity of liquid: 10 c.c. Least Count of micrometer: 0.01mm/0.001 mm
- SHIELDED CABLE: Impedance : 50 Ohm

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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A number of parameters related to ultrasonic velocity are:-

- Compressibility
- Effective Debye Temperature
- Excess Enthalpy
- Hydrogen Bonding
- Intermolecular Free Length
- Solvation Number/ Hydration Number
- Vander Wall's Constant
- Rao's Constant
- Wada Constant
- Molecular Interaction
- Proton Relaxation Rate
- Relative Association
- Relaxation Time and Relaxation Strength
- Acoustic Impedance
- Stacking Constant
- Space Filling Factor
- Cohesive Energy Barrier
- Latent Heat Of Vaporization
- Specific Heat Ratio

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