



LIQUID DENSITY & CONCENTRATION TESTER

Minimal sample volume distinguishes the TTDS liquid density and concentration tester from conventional analytical instruments. Requiring only 50cc of liquid, this density testing equipment delivers rapid measurement results with 0.001 g/cm³ precision across density ranges from 0.001 to 7.000 depending on model configuration. Available in TTDSLiqConIIIG and TTDSLiqConIIID variants with weighing capacity from 0.01g to 300g, the system accommodates diverse liquid properties through interchangeable weight accessories including glass, stainless steel, and acid-alkali resistant options for chemical industry and pharmaceutical applications.

Concentration measurement precision reaches 0.1% to 100.0% accuracy, essential for quality control in food and beverage production where consistency in syrups, juices, and alcohol formulations requires verified data. The TTDSLiqConIIIG model supports standard density range A (0.001-2.200) suitable for most organic liquids and aqueous solutions, while TTDSLiqConIIID extends to range B (0.001-7.000) for high-density materials in industrial processing environments. Optional weight kit C provides additional flexibility for specialized testing protocols.

Research laboratories and quality assurance departments benefit from this concentration testing instrument's compliance with ASTM and ISO standards. The minimal sample requirement conserves valuable materials during pharmaceutical research and experimental studies while maintaining measurement reliability for production monitoring and regulatory documentation.

APPLICATIONS

- **Chemical Industry** – Measures liquid density and concentration for formulation, blending, and quality control.
- **Food & Beverage Industry** – Tests concentration levels in syrups, juices, alcohol, and other consumables to ensure consistency.
- **Pharmaceutical and Medical Applications** – Evaluates density and concentration of solutions for research and production accuracy.
- **Research and Academic Laboratories** – Provides reliable data for experimental studies and scientific analysis.
- **Industrial Processing** – Monitors liquid properties during production to maintain product standards.

- **Quality Assurance and Compliance** – Ensures density and concentration values meet ASTM, ISO, and other international standards.

FEATURES

- Just need 50cc, it can show the liquid density rapidly
- The weight accessories can be chosen according to the liquid properties

TECHNICAL SPECIFICATIONS

Model	TTDSLiqConIIIG		TTDSLiqConIIID
Weighing range	0.01g ~ 300g		
Density range	0.001 - 2.200 (A)		0.001 - 7.000 (B)
Density precision	0.001 g/cm ³		
Con% precision	0.1% - 100.0%		
Weight kit	Standard weight kit		Optional weight kit
	A (For TTDSLiqConIIIG only)	B (For TTDSLiqConIIID only)	C
	For Glass Weight	For Stainless Steel Weight	For Acid and Alkali Resistant Weight



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