SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

Phone: +91 7015865225 **Email:** info@scienticoindia.com **Web:** scienticoindia.com **Address:** #71, Industrial Area, Ambala Cantt, Haryana, India

Flocculation Test Unit – HydraNexis HNX 10

Category: Water Treatment Technology · **Order Code:** HNX 10 · **Country of Origin:** India

Product Overview

The Flocculation Test Unit ( ) by SCIENTICO is a compact, bench-top laboratory system designed for coagulation and flocculation (jar test) studies, which are essential preliminary tests before designing or optimizing water and wastewater treatment plants. Made by Scientico India, ISO 9001:2015 certified, and supplied with a calibration certificate and operation manual.

View this product online: https://scienticoindia.com/product/flocculation-test-unit-hydranexis-hnx-10/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Parameter	Specification
Stirrer Speed Range	0–300 RPM
Paddle Blade Dimensions	50 mm × 15 mm
Number of Test Stations	6
Beaker Volume	6 × 1000 mL
Test Tube Capacity	16 mm × 150 mm

Key Features

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- Bench-top coagulation and flocculation test unit
- Six independent variable-speed stirrers
- Digital touch LCD display and control
- Integrated LED illumination
- Adjustable stirring blade height during operation
- Removable stirrer assemblies for easy cleaning
- Stainless steel paddle shafts for corrosion resistance

- Built-in timer function
- Low-voltage operation via universal power supply for enhanced safety

Experiments & Learning Outcomes

- Determination of optimum coagulant dosage
- Determination of optimum pH value
- Effect of mixing time and mixing intensity on floc formation
- Coagulation and flocculation with activated carbon
- Coagulation tests combined with filterability studies

Process Capabilities

- Coagulation and flocculation (jar testing)
- Optimization of chemical dosage and pH
- Evaluation of mixing intensity and duration
- Study of floc settleability and filterability

Construction & System Design

The HydraNexis HNX 10 is designed for **laboratory durability, precision, and user convenience**. Independent drives ensure reproducibility of results, while the modular stirrer assemblies simplify operation and maintenance. The compact footprint makes it ideal for teaching laboratories, research facilities, and treatment plant testing rooms.

Software (Optional)

HNX 10SW (Optional DAQ Software)

- Developed in National Instruments™ LABVIEW™ environment
- Enables data measurement, logging, and analysis
- Compatible with Windows™ operating systems
- Supplied with electronic sensors when selected

Scope of Delivery

- 1 × Flocculation Test Experimental Unit
- 1 × Instruction Manual

Applications

- Water and wastewater treatment plant design
- Process optimization and operational control
- Academic teaching and laboratory demonstrations
- Research on coagulation and flocculation kinetics
- Training of plant operators and engineers

Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

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