



Audmax-420i

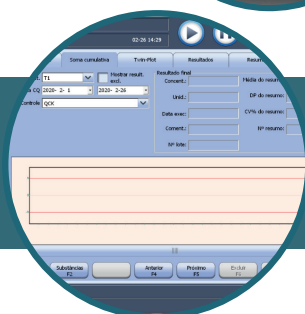
Fast and accurate biochemical and turbidimetric instrument, featuring on-board hemolysis for HbA1c and low reagent consumption.



Integrated HbA1c hemolysis: practical and agile. Throughput of up to 626 tests/hour, with STAT priority loading. Features dedicated probes, an independent mixer, and automated HbA1c hemolysate preparation to reduce errors and optimize workflow.



Low reaction volume and low cost per test. Requires only 90 μ L per reaction, optimizing reagent efficiency. The dry bath system minimizes routine maintenance and consumes less than 20 L/h, with an efficient wash system to prevent cross-contamination.



Safety and credibility. Intuitive Windows-based software with quality control using Westgard rules and Levey-Jennings charts. Probes with sensors and alarms. Independent mixers for reagents and samples, ensuring precision and safety.

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Model Specifications

January/2026

Rated speed	<ul style="list-style-type: none"> • 420 photometric tests/hour • 626 runs when combined with ISE module (optional)
Reagents	<ul style="list-style-type: none"> • 92 reagent positions (1 position for washing solution and 1 position for saline solution) • 20 mL and 40 mL reagent bottles. • Allows barcode reading (optional) • Aspiration volume: 10 ~ 200 µL, 0.5 µL increment. • Constant temperature from 2°C to 8°C
Samples	<ul style="list-style-type: none"> • Barcode reading (optional) • 102 sample positions (34 positions for emergency, calibrators, controls and washing solutions) • Aspiration volume: 1.5 ~ 45 µL, 0.1µL increment. • Automatic sample dilution. • On-board hemolysis for HbA1c.
Reaction	<ul style="list-style-type: none"> • 93 reaction cuvettes available • Plastic cuvettes • Reaction volume: 90 ~ 300 µL • Reaction temperature: 37°C
Methods	<ul style="list-style-type: none"> • Performs endpoint, kinetic, and fixed-time runs. • Linear and non-linear calibrations.
Photometric System	<ul style="list-style-type: none"> • 12V/20W tungsten halogen bulb. • Photometry by compressed concave holographic grating • 12 wavelengths: 340 to 800 nm. • Bichromatic reading.
Washing System	<ul style="list-style-type: none"> • Automatic washing of reaction cuvettes. • Internal and external probe washing • 8-stage cuvette washing. • Water consumption: < 20 liters/hour
Homogenization System	Independent mixer
Pipetting System	<ul style="list-style-type: none"> • Independent probes for adding R1/R2 and samples. • Liquid level detection, automatic anti-collision protection, and probe blockage detection.
Software	Windows
Quality Control	Levey-Jennings charts and Westgard rules
ISE	Optional module (Sodium, Potassium and Chlorides)
Size (HxWxD)	115 x 105 x 72 cm
Weight	≤ 200 kg

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