



4303 Microtiter Plate Reader System

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The 4303 Plate Reader is a compact, computer-controlled, visible range (colorimetric) photometer capable of reading full standard 96-well microtiter plates, wellstrips and partial well-strips. It comes with proprietary software featuring parameters for several Gold Standard Diagnostics ELISA plate assays including cyanotoxins, pesticides, herbicides and more.

Applications

- Water quality analysis
- Waste water analysis
- Food & agriculture testing
- Veterinary analysis
- Environmental testing
- Life science research

The 4303 Plate Reader automatically transfers raw test data to the connected computer, calculates assay results, plots curves and determines standard deviations to reduce time and errors associated with manual transcription and calculation.

Key Features & Benefits

- Reads an entire plate in absorbance mode in ~20 seconds
- Reduces data transcription and calculation errors
- Rugged design for long-term use with little to no maintenance
- Compact footprint minimizes lab space requirements



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Ordering Information

4303 Reader System Package (475010S), includes:

- 4303 plate reader
- Onsite ELISA training (up to 3 operators)
- 3 ELISA plate kits
- Pipettes (10–100 μ L single channel; 30–300 μ L multi-channel; manual repeater) and associated consumables
- Ground shipping

Note: A Windows computer and printer are required for operation. These items are not included in the system package.

4303 Reader, standalone (475010)

Related Products & Services

- ELISA plate kits
- Standards and quality control materials
- Sample collection materials
- Sample preparation reagents and accessories
- Refresher and new operator training

Product Specifications

Dimensions (L x W x H)	20 cm x 42 cm x 19 cm (8.0 in x 16.5 in x 7.5 in)
Weight	5.7 kg (12.5 lb)
Reaction vessel	Standard 96-well plates, trays with strips and partial strips
Optical design	Eight channel simultaneous read
Absorbance (bichromatic)	405, 450, 492 or 630 nm
Throughput	Read absorbance of 96 wells in approximately 20 seconds
Compliance	NRTL Listed (USA/CAN); ETL Listed; CE Mark
Electrical specifications	– 240 VAC, 50/60 Hz; 90 WATT max power; Installation category II.
Data output	USB