

# ThunderBolt®

By **GOLD STANDARD**<sup>SM</sup>  
D I A G N O S T I C S

## EIA & CHEMILUMINESCENCE ANALYZER

The ThunderBolt® is an innovative 2-plate, fully automated, open platform that is compact and cost efficient. The user friendly and flexible software is capable of programming a broad range of protocols. The ThunderBolt is available for both ELISA and Chemiluminescent (CLIA) applications.



ed- Load and walk away.

y 192 sample capacity.

cture Program any EIA or

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capable of running many

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### Unique Features

Racks ‡ Built-in Reader

‡ High Precision

Micro-Syringe

Open, ‡ Convection

ftware Incubator

\*CLIA protocols require EIA+CLIA reader option



Please visit [www.gsdx.us](http://www.gsdx.us) or call (855) 268-1000 for additional information.

# EIA+CLIA ANALYZER



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">UNIQUE FEATURES</p>	<p>Intelligent Racks System Architecture High Precision Micro-Syringe On-board Reader(s)</p> <p>Forced Convection Incubator On-board Camera Sliding Sample Tray Built-in Barcode Reader Orbital MTP Shaker Small Footprint</p>	<p>Automatic sample location management. Open, fully customizable. Aspirate 1uL with <math>\leq 3\%</math> CV.. Spectrophotometer, or Spectrophotometer+Fluorescence Combo Reader. Evenly heats using forced air to eliminate "Edge Effect". Probe-mounted camera allows remote troubleshooting. Easy loading and unloading of samples. Streamline loading and decrease sample tracking errors. Precise adherence to assay protocols. Fits on a 60cm deep standard laboratory bench.</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">TECHNICAL SPECS</p>	<p>Sample Capacity Reagent Positions Test Tube Size(s)</p> <p>MTP Positions Pre-dilution MTP Positions Well-Tracking Wash bottles Probe/Needle Dispense Volume Aspiration Volume Incubation Temperature Spectrophotometer</p> <p>Chemiluminescence Photomultiplier Tube (PMT)*</p> <p>Orbital MTP Shaker</p> <p>Power Supply Dimensions</p> <p>Weight CE Marked</p>	<p>192 patient sample positions 16 custom reagent positions (22-35mm diameter bottles accepted) Accepts standard 12, 13, 16 mm diameter, up to 100 mm tall (custom racks available)</p> <p>2 positions 1 position Independent well tracking and timing 2 external wash bottle positions Single probe, dual needle Up to 300 <math>\mu</math>l 1 <math>\mu</math>l Room temperature to 40 °C 405, 450, 490, 550 and 630 nm wavelengths standard (custom available ), 0 to 3.0 OD</p> <p>Detection type: glow, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades (*optional configuration)</p> <p>Amplitude: 1 mm, Speed: Up to 900 RPM, 3 MTP (2 reaction, 1 pre-dilution)</p> <p>100-265V W: 64 cm, D: 57 cm, H: 45 cm, (W: 25.2 in, D: 22.5 in, H: 17.7 in), H (open): 91.5 cm (36 in)</p> <p>30 kg (65 lbs) Yes</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SOFTWARE SPECS</p>	<p>Language Calculations</p> <p>Architecture Protocol Design LIS Integration User Interface</p>	<p>Multi-language support Point to point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, Lin-Log, Log-Log representation Fully customizable Fully open and configurable test designer; custom reports Bi-directional, RS232, USB, TCP/IP MS Windows Graphical User Interface (Windows 7 or above)</p>



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