



*The next generation semi-automated  
clinical chemistry analyzer  
NOW WITH DILUTER*

The Eon-one is a fully programmable semi-automated clinical chemistry analyser, designed for in vitro diagnostic use.

Controlled by an internal computer and operated through an innovative and user friendly software package **Eon-one Manager**, the Eon-one is the most advanced semi automated clinical chemistry system available.

The Eon-one can be further enhanced with the addition of the **Eon-one Diluter**. The diluter (sold separately) is plugged directly into the photometer via a dedicated port; once enabled, it is ready to use.

Eon-one diluter leads to significant improvements in precision compared to pipetting manually.

The Eon-one Diluter is controlled by **Eon-one Manager**, so required volumes (for reagent and sample) for each programmed test are automatically loaded. Easy to read screen prompts guide the operator through each step of the process.

Features of the Eon- one include:

**Flexibility:**

- Able to perform colourimetric, turbidimetric, endpoint and kinetic assays, the Eon-one is capable of running most routine clinical diagnostics assays.

**Reliability:**

- Modern and robust European design and manufacture, ensures consistent and reliable results.

**Improved Productivity & Efficiency:**

- Touch screen operation.
- Intuitive operator menu with on screen display (colour) of instructions.
- Minimal maintenance requirements.
- USB port for back up and data storage on portable memory device.

*The VITAL difference™.*



Providing Vital Solutions for Your Laboratory™

# Eon-one SYSTEM SPECIFICATIONS

## PRODUCTIVITY

Test Methods	Store up to 400 test methods Up to 5 profiles can be stored Touch screen operation
Programming	Patient orientated analysis sequence
Operator Interface	Touch screen (colour) Embedded Eon-one Manager software Multi language: EN, ES, IT and PT.

## MEASUREMENT SYSTEM

Photometric Systems	Quartz Halogen lamp (10W 6V ) 6λs (340/405/510/546/578/620) – 2 free positions Mono and Bichromatic measurement Optical linearity to 3 Absorbance Units (1cm) Photo diode detector (320 - 1000nm) 35μL special optical glass flow cell Temperature: RT;25;30;37°C (Peltier)
Aspiration	Internal peristaltic pump

## DATA COLLECTION AND MANAGEMENT

Analytical modes	<b>Kinetic Rates (KR) with linearity check</b> Options include: KR with sample blank rate KR without sample blank rate <b>Endpoints (EP)</b> Options include: EP with or without reagent blank EP with sample blank EP Bichromatic with or without sample blank <b>Initial Rates</b> 2-Point rate (fixed time) with or without sample blank
Measuring Time	Programmable from 1 to 998 seconds
Delay Time	Programmable from 1 to 998 seconds
Warm Up Time	<5minutes
Blanking	Automatic zero setting
Test Results	Graphical plot of all measuring points 4GB memory free for storage of patient results Retrieve stored results by test or by patient

## CALIBRATION AND QUALITY CONTROL

Calibration modes	Standard, Multi standard, Factor, Linear, Polynomial, Quadratic and Spline
QC	Levey Jennings Plots (30 or 90 days)

## PHYSICAL CHARACTERISTICS / REQUIREMENTS

Dimensions	23W x26Hx40D (cm)
Weight	9Kg
Electrical Requirements	Line Voltage 100-240 V (+/- 10%) Line Frequency 50/60 Hz
Regulatory Approvals	CE marking 98/79/EC compliance

**VITAL**<sup>®</sup>  
DIAGNOSTICS

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13485:2003  
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