

respons[®] 940

A New Member of the respons[®] System Family

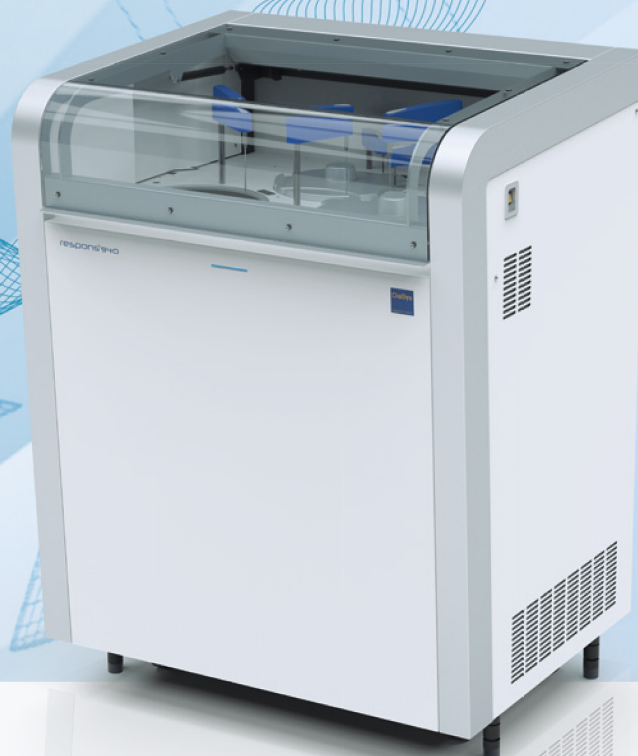
Launch offer valid until Dec 31, 2019

Offer 1:

Order one respons[®] 940 and get the water purification system  MINI for free

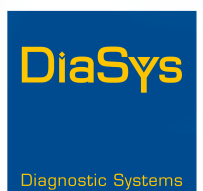
Offer 2:

Order one respons[®] 940 and receive respons[®] system kits for clinical chemistry worth 2000 € free of charge



Please contact your Area Business Director
or use launch-r940@diasys.de

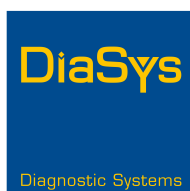
Designed for Modern Clinical Laboratories with
a Throughput of up to 640 Tests/h Including ISE



CHOOSING QUALITY.

respons[®]940

Technical Specifications	
System type	Automated random access clinical chemistry analyzer
Throughput	400 photometric tests, independently of mono- or two-component reagents 640 test/h including ISE
Reagent on board capacity	Max. 72 reagent positions (R1 + R2), up to 36 methods in barcoded respons [®] mono or twin containers for adapter free one grip loading
Analytical methods	1-point, 2-point Rate-A, Rate-B, direct potentiometric ISE, Cubic spline, 4P logitlog, 5P logitlog
Calibration	Linear (one point, multi point), exponential, polynomial, factor
Measuring principle	Colorimetry (rate/end point), Immunoturbidimetry
Ion measurement	Direct potentiometry: Na, K, Cl, Li
Sample disk	80 positions for sample, blanks, standards, calibrators, controls, STAT samples and ISE solutions
Sample pipetting	2–70 µL (adjustable in 0.1 µL steps) Clot detection for sample probe
Serum indices	Detection of lipemic, icteric and hemolytic samples
STAT analytics	Several flexible positions
Sample tubes & cups	Primary tubes of 5, 7 & 10 mL and sample cups
Barcode identification	For samples and reagents
Reagent pipetting	Reagent 1: 50–300 µL in 1 µL steps Reagent 2: 0 µL, 10–300 µL in 1 µL steps
Mixing system	2 independent stirrers with 3 mixing speeds
Reading volume	180 µL
Quality control	Levy Jennings graphs, Westgard rules and Twin Plot Management for 4 level of controls
Utility programs	Carry over evasion, cuvette skipping, different washing programs
Photometry	12 wavelengths: 340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700 and 750 nm Wavelengths separation by diffraction grating, twin-test functionality
Photometric linearity and resolution	Linearity: 0 – 3.0 OD Resolution: 0.0001 OD
Light source	Halogen lamp 12 V/20 Watts
LIS connectivity	Yes
Water consumption	< 13 liters per hour
System interface	Analyzer PC: USB 2.0 bi-directional for Pentium IV or higher, PC interface
Power source / Power consumption	AC 110 V +/-10%, 60 +/-1 Hz or 220 V +/- 10%, 50 Hz +/-1 Hz – switchable 800 VA
Dimensions	91 cm (W) x 78 cm (D) x 116 cm (H)
Weight	Approximately 200 kg



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