



Clinical Systems

*Selectra ProS™*

THE SMARTEST CHOICE  
FOR LABORATORIES  
LOOKING TO AUTOMATE



Selectra Solutions



## SPECIFICATIONS

### THROUGHPUT

- Up to 133 tests/hour
- Up to 266 ISE tests/hour

### REAGENT AND SAMPLE HANDLING

One rotor combining both sample and reagent positions.

- Inner rotor ring:
  - 30 refrigerated reagent positions for 10 mL, 25 mL and 50 mL reagent bottles
  - Cooled to 10°C +/-4°C at normal laboratory conditions
  - All reagent positions can be assigned as R1, R2 and R3
- Outer rotor ring:
  - 25 barcode readable positions
  - All positions fit 13x75 mm primary and secondary tubes and pediatric cups
  - All positions can be used for calibrators, controls, normal, pediatric and STAT samples

### PIPETTING SYSTEM

- 1000 µL reagent syringe:
  - R 1 volume 110 - 400 µL
  - R 2 volume 0 - 180 µL
  - R 3 volume 0 - 180 µL
  - Programmable in 1 µL steps
- 100 µL sample syringe:
  - Sample volume 1 - 30 µL
  - Programmable in 0.1 µL steps
- Programmable dilution ratios: 1 : 5 up to 1 : 200 in one step increments with 3 possible diluents
- Pre-heated probe with level detection, collision protection and integrated mixer

### CUVETTE ROTOR

- Cost effective, semi-disposable cuvette rotor with 48 cuvettes, path length 7 mm
- >10,000 tests per rotor
- Measuring temperature 37°C, controlled by Peltier elements

### LIGHT SOURCE

- Quartz-iodine lamp 12V-20W

### WAVELENGTH RANGE

- 340 - 800 nm
- Optical unit with 8 position filter wheel
- Automatic wavelength selection
- 340, 405, 505, 546, 578, 620, 660, 700 nm standard installed
- Other wavelengths available on request

### PHOTOMETRIC RANGE

- -0.1 to 3.0 Absorbance
- Resolution 0.001 Abs

### ANALYTICAL MODES (SINGLE, DUAL AND TRIPLE REAGENT SYSTEM)

- Kinetic measurement with linearity check
- Mono- and bichromatic end point measurement with or without bichromatic reagent blank and/or sample blank correction
- Two point measurement; with or without slope blank
- Graphic plot of all measuring points
- Predilution, post-dilution and automatic reflex dilution as needed
- Non-linear calibration curves
- Prozone check for immunology tests
- Cut-off declaration
- Calculated tests

### QUALITY CONTROL

- Up to 15 different controls can be defined, 3 per test
- Westgard rules
- Levey-Jennings plots
- Quality control statistics

### WATER CONSUMPTION

- ~950 mL per hour max, continuous operation

### STANDARDS AND REGULATIONS

- CE-IVDR
- USA FDA 510(k)
- CB
- UL

### DIMENSIONS & WEIGHT

- 90 cm (36 in) x 75 cm (30 in) x 60 cm (24 in) (W x H x D)
- 75 kg (165 lbs)

### INTERFACE

- State of the art Host-Query interface available
- Host: RS232 or Ethernet (TCP/IP) through LIS-2A protocol
- Hand held CCD barcode reader used for reagent identification and automated programming of assays, controls and calibrators

### INSTALLATION CONDITIONS

- Temperature: 15 - 32 °C (59 - 90°F)
- Humidity: 15 - 85% RH
- Altitude: up to 2000 m
- Plumbing: no dedicated system water or drain required
- Electrical: Voltage: 100 - 240 Vac; Frequency: 50/60 Hz; Power (max): 400 VA

### INTEGRATED PC\*

- Touch screen navigation
- Operating System: MS Windows™ Embedded

## OPTIONS

### ISE MODULE\*

- Patented Solid State Dry Electrode Technology
- Indirect measurement
- Dilution 1:14
- Measures Sodium, Potassium, Chloride and Bicarbonate

### POSITIVE SAMPLE IDENTIFICATION

- Positive Sample Identification (PSID) via integrated barcode reader
- Reads all popular formats including Codes 39, 128, 11, 93, 4, CODABAR and Interleaved 2/5

### PRINTER

- Printer supported by MS Windows™

### PROACTIVE MAINTENANCE KIT

- Complete parts kit for annual preventive maintenance

\* Please verify the right instrument catalog number for this option from your local representative.



### WORLDWIDE OFFICES

Please email [sales.ecsnl@elitechgroup.com](mailto:sales.ecsnl@elitechgroup.com) or contact your local representative for information on the availability in your area.

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