



## SmartTester

- Flexible image sensor based evaluation of rapid tests
- Equally suitable for Point-of-Care Testing (POCT) and laboratory uses
- Conforms to POCT communication standards
- Test panel groups (cardiac, inflammatory, gynecological) for quick and convenient testing
- Measurement process takes only a few seconds (after different incubation times)
- Streamlined documentation through LIS2 and HL7
- Advanced QC and security functions

The SmartTester reads and evaluates In Vitro Diagnostics (IVD) chromatographic immunoassays and gives quantitative or semi-quantitative results. The instrument is designed to work in a Point-of-Care-Testing (POCT) environment, suitable for human and veterinary diagnostic use in hospital emergency departments, clinics or laboratories. The product performs IVD measurements, only the rapid tests measured by the instrument contact with the sample, therefore the instrument does not interact with the body parts of the patient. Intended medical indication of use is where exploratory examinations are needed. Based on the quantitative or semi-quantitative results of the product, a professional decision can be made whether a more thorough examination is needed or the non-existence of the medical state in question can be assumed.



77 Elektronika Kft.

## Features & Functions

### Measurement features and clinical utility:

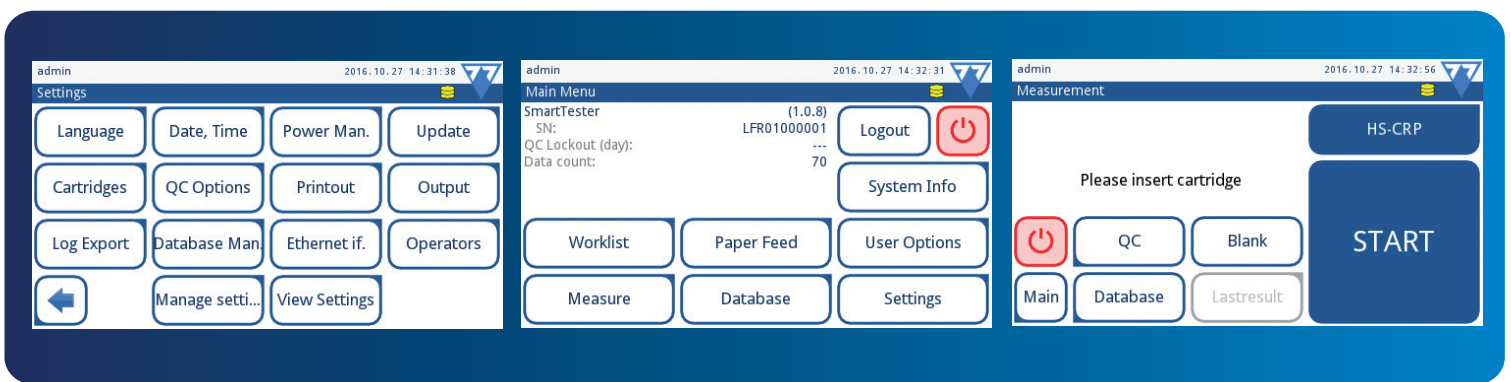
- Suitable for point-of-care testing and laboratory uses
- Easy-to-use software with high level of user customization
- Wide range of reporting and user management options
- Multiple language options
- Multiple operator options with different authorization levels
- Automatic self-check function
- Fast, quiet and reliable operation
- Incubation time of the rapid tests can be spent externally or internally
- Measurement process takes only a few seconds
- Easy software upgrade via USB stick
- Minimal maintenance and convenient cleaning
- Constructed without using electromechanical components

### Effective data management & extended connectivity:

- Touchless operation with automatic data transfer
- Result transfer through LIS and HL7 protocols or via USB stick
- Worklist transmission through LIS and HL7
- Large memory capacity with sophisticated filtering criteria
- Optional barcode reader and external keyboard
- Optional external Wi-Fi connection
- Intelligent, database driven result management

### Advanced Quality Control and system security functions:

- Advanced power management (screen, logout, power off)
- QC test reminders and optional QC lockout function
- Support of rapid test & QC LOT code information
- Programmable operator management provides customized access levels & prevents unauthorized use
- Power management (screen, logout, power off)



## Human blood parameters of the rapid tests

### SmartTester

- CRP/hs-CRP
- Troponin-I
- D-Dimer

## Technical Specifications

Technology:	Reflectance photometer using green LEDs
Throughput:	Depends on incubation time
Memory capacity:	3000 patient test results 1000 QC test results
Display:	4.3" LCD color touchscreen (resolution: 480x272)
Printer:	internal thermal printer
Interfaces:	Ethernet, RS232, USB A / B, PS2 Works with external USB Wi-Fi adapter
Communication protocols:	LIS2-A2, HL7
Dimensions:	180 x 180 x 200 mm (W x D x H)
Weight:	1.2 kg
Electrical rating:	100...240V AC, 50/60Hz, external mains adapter OR 6 pcs AA batteries or accumulators
Operating conditions:	15-32°C
Relative humidity:	30-80% (without condensation)

### About 77 Elektronika

77 Elektronika Kft. is a major global developer, manufacturer and supplier of in vitro diagnostic medical devices, mainly urine analyzers, rapid test readers, blood glucose meters and their consumables. The products are supplied throughout the world under the 77 Elektronika brand and as OEM products for market-leading multinational companies.

77 Elektronika was established in 1986 and is headquartered in Budapest, Hungary (EU). The company is committed to providing superior products and services to the complete satisfaction of its customers.