RUBICON
POLÍGRAFO COMPUTACIONAL

P-04м



WWW.POLYGRAPH-RUBICON.COM

RUBICON
POLÍGRAFO COMPUTACIONAL

P-04M

RUBICON P-04M computer polygraphs are designed and manufactured using advanced technologies in the field of instrumental lie detection.

The equipment is made from high-quality materials and reliable components. Quality is confirmed by certificates and declarations of conformity.

A professional polygraph is designed for stationary and field work. The equipment comes with Rubicon-2.1 software.



RUBICON
POLÍGRAFO COMPUTACIONAL

Equipment

The RUBICON P-04M polygraph is supplied with: a data processing unit, 9 sensors, a computer connection cable, software, a technical data sheet and a carrying case.























RUBICON
POLÍGRAFO COMPUTACIONAL

Data processing unit

"B-04M"

- Dimensions: 3 x 10 x 25 cm
- New-generation processor
- 10 recording channels
- Isolation on all 10 recording channels
- Full protection against electrostatic voltage
- Analog-to-digital converter (32 bits)
- Unified module for software connection to devices
- 2 MOV PZ-1 sensors + 1 MOV PZ-2 sensor



RUBICON
POLÍGRAFO COMPUTACIONAL

Movement sensor

Sensor "MOV PZ-1"

- Size: 13 x 35 cm
- Sensor type: membrane transducer
- Gain adjustment available in the range 1–64
- Automatic mechanical resistance assessment
- Removable body (polymeric fabric)
- Removable cover
- Double-shielded cable (150 cm)
- 3.5 mm jack connector



RUBICON
POLÍGRAFO COMPUTACIONAL

Movement sensor

Sensor "MOV PZ-2"

- Size: 22 x 35 cm
- Sensor type: membrane transducer
- Gain adjustment available in the range 1–64
- Automatic mechanical resistance assessment
- Removable body (polymeric fabric)
- Removable cover
- Double-shielded cable (150 cm)
- 3.5 mm jack connector

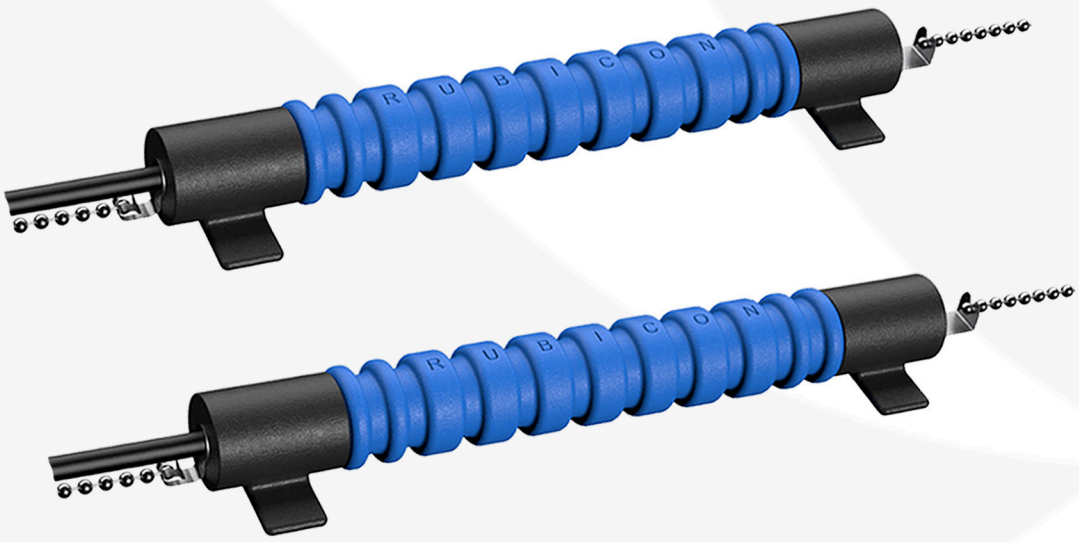


RUBICON
POLÍGRAFO COMPUTACIONAL

Thoracic-abdominal respiration recording sensor

Sensors "RS1" – "RS2"

- Sensor type: pneumatic bellows
- Automatic and manual gain adjustment: 1–64
- Silicone pneumatic tube (20 cm)
- Photopolymer plastic fasteners
- Stainless steel support
- Nickel-plated chain (150 cm)
- Silicone connecting tube (150 cm)



RUBICON
POLÍGRAFO COMPUTACIONAL

Central cardiovascular activity recording sensor

Sensor "CAR"

- Sensor type: pneumatic transducer
- Gain factor: 1–110
- Automatic and manual gain adjustment (1–140 mmHg)
- Recording based on the effect of vascular occlusion
- Diaphragm manometer with pneumatic bulb and regulator
- Nylon cuff (53 x 14.5 cm)
- Silicone connecting tube (150–300 cm)
- Metal and plastic adapters – 3 pcs.



RUBICON
POLÍGRAFO COMPUTACIONAL

Electrodermal activity recording sensor

Sensor "EDA"

- Sensor type: electrodes
- Operating range: 2–1500 kOhm
- Removable plates (50 x 50 mm)
- Silver-coated contact surfaces (15 µm)
- Hook-and-loop fastener (15 cm)
- Double-shielded cable (150 cm)
- 3.5 mm jack connector



RUBICON
POLÍGRAFO COMPUTACIONAL

Peripheral cardiovascular activity recording channel

Sensor "PPG"

- Sensor type: photoelectric
- Automatic and manual gain adjustment (1–64)
- Removable body (photopolymer plastic)
- Hook-and-loop fastener (15 cm)
- Double-shielded cable (150 cm)
- 3.5 mm jack connector



RUBICON
POLÍGRAFO COMPUTACIONAL

Acoustic activity recording channel

Sensor "MIC"

- Sensor type: microphone
- Manual gain control: 1–64
- Plastic body
- Removable cover (polyurethane foam)
- Shielded cable (180 cm)
- 3.5 mm jack connector



RUBICON
POLÍGRAFO COMPUTACIONAL

Computer connection cable

- Cable type: USB
- Connector 1 – USB Type A (laptop)
- Connector 2 – USB Type C (data processing unit)
- Double shielding
- Cable length: 150 cm



RUBICON
POLÍGRAFO COMPUTACIONAL

Flash drive

- Drive type: flash
- USB Type A connector (data)
- Rubicon-v2.1 software installation files
- Scanned copies of Rubicon polygraph documents
- Rubicon-v2.1 software installation instructions



RUBICON
POLÍGRAFO COMPUTACIONAL

Technical data sheet

- Technical specifications
- Storage and operating standards
- Operating warranty period
- Conditions for warranty repairs
- Manufacturer serial number
- Manufacturer’s stamp
- Date of sale
- Seller’s stamp and signature



RUBICON
POLÍGRAFO COMPUTACIONAL

Carrying case

- Size: 40 x 30 x 7 cm
- Color: black
- Rubber fasteners
- Shock-resistant walls
- 15-inch laptop compartment
- Carrying handles



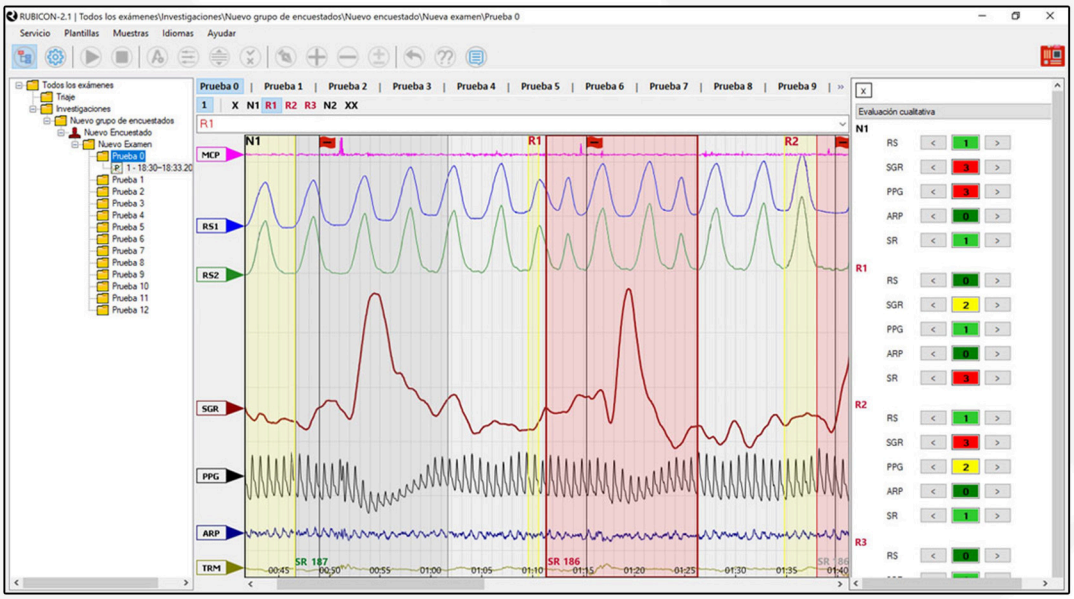
RUBICON
POLÍGRAFO COMPUTACIONAL

Software

Rubicon-v2.1 software is included in the price of the computer polygraph kit.

The latest software version and operating instructions are available for free download from the manufacturer's website.

https://www.polygraph-rubicon.com/es/software/

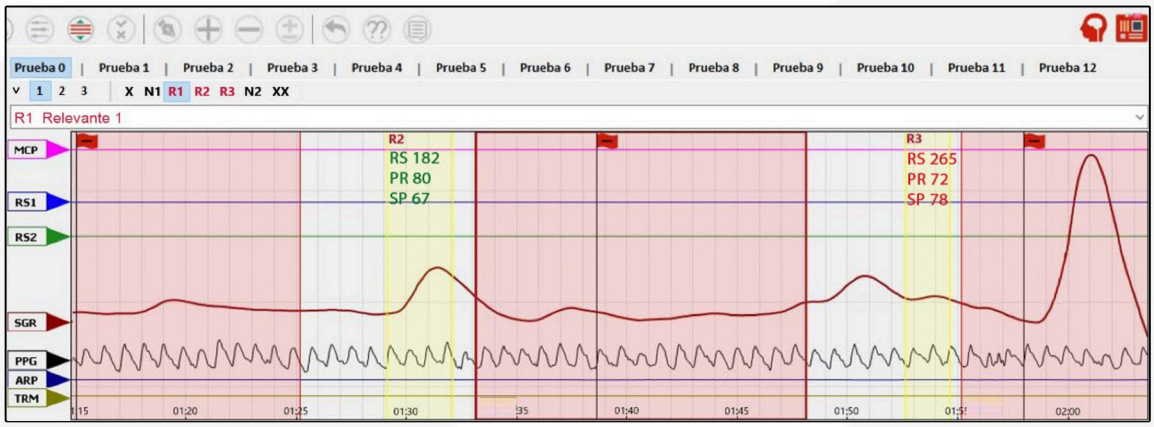


RUBICON
POLÍGRAFO COMPUTACIONAL

Main features of Rubicon-v2.1 software

In addition to the standard requirements for polygraph software, Rubicon provides:

- 3 operating modes: “polygraph”, “gadget”, “polygraph + gadget”
- Automatic adjustment of all parameters across all channels with one button

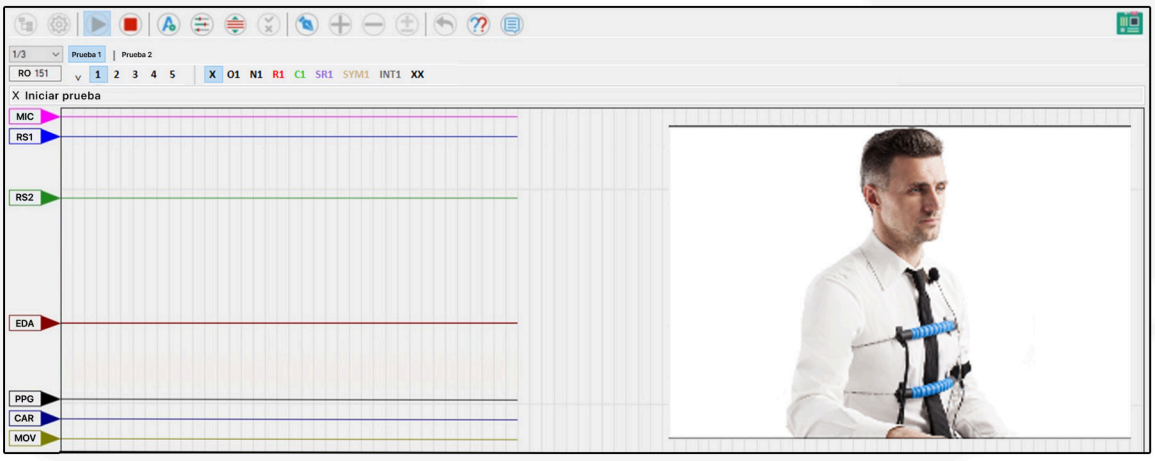




RUBICON
POLÍGRAFO COMPUTACIONAL

Main features of Rubicon-v2.1 software

- Automatic additional polarization adjustment for each channel separately
- Automatic optimization of the examinee's condition for the examination procedure and each test
- Automatic recording of the examinee's response level immediately after each test question
- Warnings when the examinee reaches critical tension or relaxation levels
- Color marking of the examinee's readiness to answer each question



RUBICON
POLÍGRAFO COMPUTACIONAL

Main features of Rubicon-v2.1 software

- “Transfer” principle for recording reactograms in all tests of the examination
- Multilingual interface (English, Russian, Spanish, Portuguese); 7 types of expert evaluation of examination results
- Automatic assessment of examination results based on objective data
- Video and audio recording of the examination procedure
- Intuitive interface, concise design and simple functionality help specialists understand the program and obtain high-quality examination results

