



ARGUS LCM

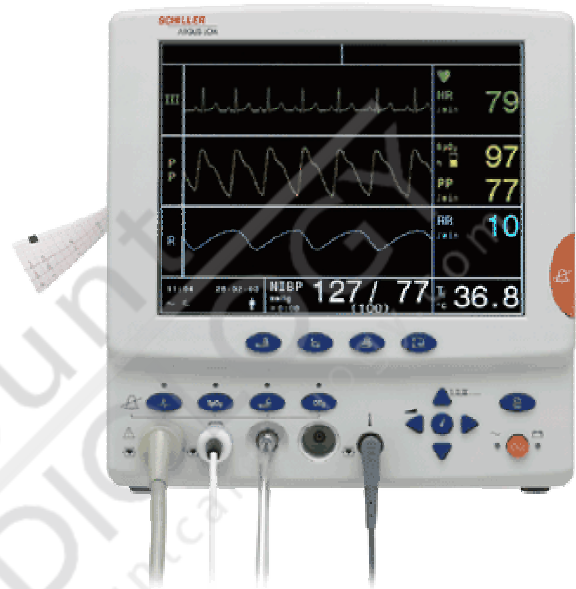
SCHILLER ARGUS LCM

Vital Data Monitoring: High Quality for small budgets!

The new **SCHILLER ARGUS LCM Monitor** is designed to provide full vital data monitoring for **mobile and stationary use**, suitable for adults and neonates.

Features/Parameters:

- **ECG** with up to 12 simultaneous leads
- **24-hour trend memory for all parameters**
- **Respiration** with impedance method
- **Temperature** measurement (rectal, skin or ear)
- **Non-invasive Blood Pressure (NIBP)** with disposable and reusable cuffs in different sizes
- **Masimo™ Pulse-Oximetry**
- Freely selectable **alarm supervision of all vital signs** (except temp.)

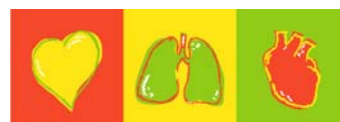


Benefits:

- Excellent price/performance ratio
- Large high-resolution colour LCD: diagonal 27 cm/10.4 in.
- Light-weight, compact design
- Extremely easy to use, thanks to its direct function keys
- **Convenient carrying handle**
- Facility to use all standard emergency vehicle dc power supplies (in addition to the usual mains supply) without adapter

Optional:

- Capnography
- **Integrated thermal printer**
- Additional integrated battery for independent use of more than two hours





Technical Data SCHILLER ARGUS LCM:

System:

Dimensions: 290 x 275 x 180 mm (h x w x d);
11.4 x 10.8 x 7.1 in. (h x w x d); approx. 4.6 kg / 9.2 lbs

Power supply requirements:

- 90 to 250 Vac, 50/60 Hz; approx. 1 hour mains independent operation
- Option: Additional battery for 2 hours mains independent operation

Colour LCD:

- Backlit liquid crystal display for graphic and alphanumeric representation
- Writing speed: 12.5/25/50 mm/s (respiration: 6.25 mm/s)
- Display: 5,4,3 or 2 channels
- Resolution: SVGA, 800 x 600 dots
- Diagonal: 27 cm / 10.4 in.

Power consumption: 28 VA

Printing process: High-resolution thermal printhead, 8 dots/mm / 200 dots/in. (amplitude-axis), 40 dots/mm / 1000 dots/in. (time-axis), @ 25 mm/s

Chart paper: Thermoreactive, Z-folded, 72 mm/2.8 in. width, approx. 20m/65.6 ft. length

Paper speed: 5 / 12.5 / 25 mm/s

Frequency range of digital recorder: 0.05 Hz – 150 Hz (IEC/AHA)

Patient leakage current: < 50 µA

Patient input: Fully floating and isolated, defibrillation protected, > 5kV

Safety standard: CF according to EN 60601-1

Protection class: I according to IEC 60601-1

Conformity: 93/42/EEC, class IIb, CE

Environmental conditions:

- Temperature operating: 10° to 40° C / 50° to 104° F
- Temperature storage: -10° to 50° C / 14° to 122° F
- Relative humidity: 25% to 95 % (not condensing)

Standard interfaces: RS-232 serial interface, Nurse call

ECG:

Amplifier: Fully isolated, defibrillation protected, > 5kV

Leads: Up to 12 simultaneous standard leads

HR display: 20 – 250 bpm

Automatic lead program: Simultaneous display of up to 3 leads per page

Sensitivity: 5 / 10 / 20 / 40 mm/mV, manually selectable

Recording tracks: 2 channels, positioned at optimal width on 72 mm / 2.8 in., automatic baseline adjustment

Patient cable interfaces: 3, 5 or 10 lead patient cable

ECG amplifier:

- Simultaneous, synchronous recording of up to 9 active electrode signals (=12 leads)
- Sampling frequency: 1000 Hz

Pacemaker detection: $\geq \pm 2\text{mV} / \geq \pm 0.1\text{ms}$

Line frequency filter: Distortion-free suppression of superimposed 50 or 60 Hz sinusoidal interferences by means of adaptive digital filtering

Trends:

Memory: All parameters for 24 hours

Display: Graphic representation

Registration: Graphic representation possible

Respiration:

Amplifier: Fully isolated, defibrillation protected, > 5kV (integrated in ECG amplifier)

Measuring method: Impedance method with 3, 5 or 10 lead patient cable

Sampling frequency: 50 Hz

Measuring range: Apnea, 0 ... 200 respirations/min.

Impedance range: 0.1 – 3 ohm

Temperature:

Amplifier: Fully isolated, defibrillation protected, > 5kV

Measuring method: Rectal, skin or ear

Probe: YSI 401

Measuring frequency: 1 per second

Measuring range: 15° to 45° C / 59° to 113° F

Resolution: 0.1° C / 0.18° F

Non-invasive blood pressure (NIBP):

Cuffs:

- Disposable and reusable cuffs possible
- Different cuff sizes possible

Measuring method: Oscillometric

Measuring range: 15 to 300 mm/Hg

Measurement: Automatic and manual

Deflation rate: 3 to 9 mm Hg/sec

Display: Numeric; single measurement values and trends

Masimo™ Pulse Oximetry:

Amplifier: Fully isolated, defibrillation protected, > 5kV

Display:

- Numeric display in %
- Graphic display of measurement quality
- Graphic/numerical representation of the peripheral pulse

Pulse rate range: 20 to 240 bpm, ± 3 bpm

Measuring range: 0 to 100 %

Resolution: 1 %

Accuracy:

Adult: 70 to 100%, ± 2 digits

Neonatal: 70 to 100%, ± 3 digits

Alarm supervision of all vital signs (except temp.):

Limits: Upper/lower alarm limits freely selectable

Options:

- Capnography etCO₂
- Integrated additional battery
- Integrated thermal printer

Subject to technical alterations without prior notice.

