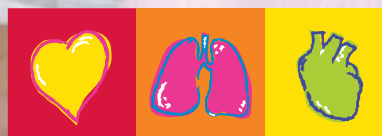


ARGUS LCX

Convenient Vital Data Patient Monitoring



SCHILLER
The Art of Diagnostics

ARGUS LCX – Switch on and use it

Comprehensive vital data patient monitoring is quite simple from now on. With the new SCHILLER ARGUS LCX the size of the LCD has been maximized, while the monitor depth is minimized to 77 mm. The result is a concise delineation of complex patient analysis.

This ultraflat and x-tremely user-friendly patient-monitor can be mounted easily on a wall or medical cart. The device has a capacity of 2 hours mains independent operation, which makes it an ideal multi-parameter monitor to be used for inhouse transportation.

Parameters:

- ECG: displayable leads I - V1
- Respiration
- Pulse oximetry (SpO₂)
- Pulse rate
- Temperature
- Non-invasive blood pressure (oscillometric)
- Two invasive blood pressure measurements
- etCO₂ main- or sidestream (optional)

Features:

- Very large display - 307 x 230 mm (381 mm diagonal)
- Built-in 3-channel thermal printer (optional)
- Software update with USB stick
- SD memory card
- Trends:
 - Standalone for 6 days
 - With central station for more than 15 days
- Alarm history
- No fan inside (noiseless operation)
- The ultrafast and calibration-free etCO₂ module can be installed later by the user. No technical changes necessary. Simply connect and use it.
- Standby and transport modes
- Nurse-call

Don't spend time in training - simply use it.

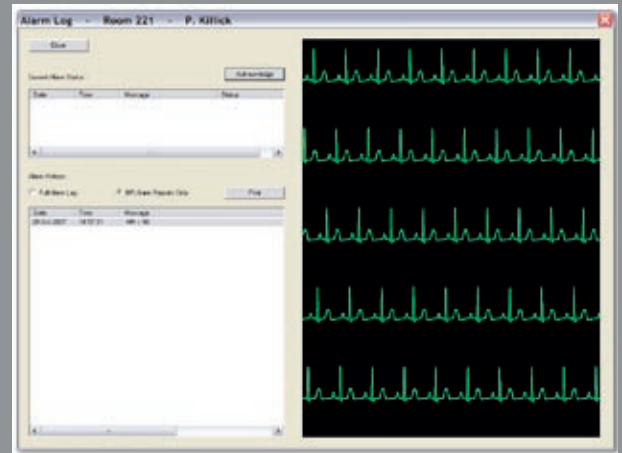


ARGUS MPC central station – Everything under control

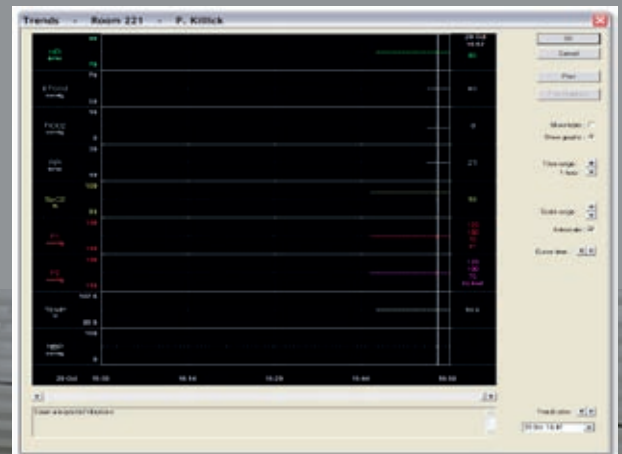
The optional central station is already configured and can be operated as easily as the patient-monitor. It monitors up to 64 bedside units and provides you with a wide range of printout options to document your patient's history including alarm history trends.

The optional A4 laser printer enables on the spot documentation of all important events, trends and other vital data interpretations. The unique function of printing a strip chart on A4 paper is very economic and makes documentation easier than ever before.

The easy handling and configuration of this central station provides you more time for your patients and a carefree day-to-day monitoring. ARGUS MPC central station is available as an option with a dual screen solution to provide you more detailed information.



Alarm log file



Graphical trend view



Technical data ARGUS LCX:

System:

Dimensions: 396 x 275 x 77 mm (WxHxD)
Weight: 5.6 kg with optional battery
Power requirements: 100 - 240 VAC or 13.5 - 15.5 VDC
Mains frequency range: 50 - 60 Hz
Power consumption: max 75 VA
Standards conformance: UL 60601-1, FCC Part 15 (Class A), CSA C22.2 No. 601.1-M90, IEC 60601-1, IEC 60601-1-2 (Class A), IEC 60601-1-4, IEC 60601-2-27
Type of protection (electrical): Class II
Degree of protection (electrical): Type CF, defibrillation-proof
Degree of protection (water): Ordinary equipment (IPX0)

Battery:

Type: Lead acid rechargeable, optional 2 batteries
Discharging time: 1.5 hours
Charging time: 5 hours
Charging method: Battery is charged while monitor is connected to the mains supply

Display:

Type: Active color matrix LCD
Area 15" diagonal: 307 x 230 mm (381 mm diagonal)
Matrix: 1024 x 768 pixels
Number of waveform channels: 5
Sweep speed: 6.25, 12.5, 25 mm/s
Parameters: HR, Resp, SpO₂, IBP 1, IBP 2, Temp, NIBP

Printer (optional):

Thermal printing head: 8 dots/mm, 72 mm width
Traces: 3
Formats: Waveforms, trends, memory recording

ECG:

Displayable leads: 3-lead cable: I, II, III (one lead at a time), 5-lead cable: I, II, III, V, aVR, aVL, aVF (three leads at a time)
Response time: Step change from 80 to 120 bpm: < 7 seconds, step change from 80 to 40 bpm: < 11 seconds
Pacer pulse detection: Leads I, II and V (5 lead), lead I or II or III (3 lead cable)
Pulse tone: Yes
Lead off: Detected on all leads

Environmental:

Operating temperature: 15° - 35°C (59° to 95°F)
Operating altitude: 0 to 9842' (0 to 3000 m)

Respiration:

Method: Impedance measurement

Pulse oximetry:

SpO₂ / PR resolution: SpO₂: 1 O₂%, PR: 1 bpm (beat per minute)
Measurement range: SpO₂: 20 to 100%, PR: 30 to 240 bpm
Measurement accuracy: SpO₂: from 70 to 100%: ±2% (O₂%), < 70%: unspecified, PR: ±5%

Temperature:

Compatibility: YSI 400-series probes
Input connector: 2-pin connector
Display units: °C and °F (user-selectable)
Temperature range: 5 to 50 °C (41 to 122 °F)

Non invasive blood pressure:

Method: Oscillometric
Input connector: Single lumen hose (quick-disconnect fitting)
Type: Adult/pediatric
Derived parameters: Systolic, mean, diastolic
Measurement time: 30 seconds (typical) < 135 seconds (maximum)

Invasive blood pressure:

Number of channels: 2 channels for simultaneous measurement
Parameters: Sys, mean, dia, pulse
Measuring range: -400 to +400 mmHg
Pulse: 25 to 250
Accuracy: 1 mmHg or +/- 1% if higher than 100 mmHg

etCO₂ mainstream (optional):

Type of measurement: Mainstream, infrared absorption
Weight of sensor: 28 grams
Size of sensor: 3.70 x 2.70 x 2.50 cm
Shockproof design: Withstands repeated 1 m drops
Humidity: 10 - 95%, non condensing
Atm. press.: 700 - 1200 hPa
Airway adapter: Adult
Calibration: No routine calibration is required, room air calibration
Warm up time: Less than 5 seconds
Accuracy CO₂: 0 - 10% +/- 3%, abs: +/- 6%



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