

91387-27 SL2700 Patient Monitor



Summary

The Ultraview SL™ 2700 bedside monitor includes interactive networking, graphic and tabular trends, remote view, and alarm watch support. It accommodates two single-high parameter modules, uses an external flat panel display, and includes a DC power supply that provides power for the monitor and up to three Flexport® system interfaces.

Features

User Interface All controls are on-screen touch keys, with the exception of the power (ON/OFF) key; optional controls include mouse, keyboard and remote control

Parameter Capacity Provides three times the number of waveforms purchased, up to a maximum of 25 parameters

Alarm Limit Review Provides a snapshot view of bedside alarm limits for all active parameters;

this feature is only available with specific Ultraview SL modules

Trends Displays 24 hours of graphic and tabular trend data for any bed on the network

Graphic 1-, 2-, 6-, 12-, or 24-hour segments; data is stored in 1-minute resolution

Tabular Time increments of 1, 5, 10, 15, or 30 minutes; 1, 1.5, or 3 hours

Interactive Networking Provides interactive view, control, review and recording capabilities for parameters, trends and calculations displayed from any monitored patient on the network

Remote View/Alarm Watch Provides a single parameter view for any monitored patient on the network (Remote View), or in the event of an alarm (Alarm Watch) from up to 32 selected patients. Data from any monitor may be simultaneously viewed by up to 16 monitors



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Configurable Patient ID

Biomed-level administration tool; enables configuration of the patient demographic information displayed in public views. For example: Remote View, Alarm Watch, Full Bed Review, and central monitor waveform zones.

Barcode Scanner Support

Provides support for using third-party bar code scanners; only USB-powered bar code scanners should be used at the patient bedside

Display Support A flexible platform that provides independent display support for flat-panel liquid crystal displays (LCD). Refer to “*Displays*” on page 3 for more information.

Power A direct current (DC) power supply provides power to the monitor and up to three Flexport system interfaces

Connectors Two standard USB connectors (keyboard, mouse or barcode scanner), synchronous

data link control (SDLC for Flexport systems or module housings), RJ45 (10/100BaseT Ethernet), remote alarm light, VGA/DVI outputs (video), RS-232 serial connector, nurse call, audio output

Network Communication

10/100BaseT Ethernet will send data, including all available waveforms and numerics, to the Ultraview SL network

Options

04 Four display zones (not available in all areas)

06 Six display zones

C Remote Configurable Display allows a second display to be independently configured for surgeons, anesthesiologists, and perfusionists

D Perioperative provides customizable, user-specific display setups and start case/end case functions; supports internal or external (91388) remote display controllers

N Vital Signs Calculations (Hemodynamics, Oxygenation, Ventilation, and Renal)

O Drug Dose Calculations

Q Data Shuttle® (for use with selected modules only) supports transfer for up to 24 hours of the database from the monitor, including continuous and episodic events, and trend information for all parameters monitored by modules and Flexport system interfaces

R Patient Data Logger; presents an ASCII data stream of patient name and vital sign data to the serial port in a pre-defined format

V Full View; supports simultaneous display of 12 ECG leads

W Full Bed Review; provides a multiparameter view for any monitored patient on the network (up to seven waveforms)

Y Neonatal color; designed for the neonatal and pediatric environments

Product Specifications

Classification

MDD Class IIb

EN 60601-1

Class I Requires outlet with safety ground (Protective Earth) conductor

Rated for continuous operation

Electrical Specifications

Mains Power 100 to 240 VAC, 50 to 60 Hz, 2 A

Battery Backup 3 minutes

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Environmental Requirements

Storage

Temperature
-40° to 75° C (-40° to 167° F)

Humidity
95% (non-condensing)

Altitude
0 to 12,192 meters
(0 to 40,000 feet)

Operating

Temperature
10° to 40° C (50° to 104° F)

Humidity
95% (non-condensing)

Altitude
0 to 3,048 meters
(0 to 10,000 feet)

Physical Dimensions

Height
27.2 cm (10.7 inches)

Depth
26.7 cm (10.5 inches)

Width
15.2 cm (6.0 inches)

Weight
4.3 kg (9.5 pounds)

Displays

Displays meeting or exceeding the following requirements may be used

Resolution
Operating frequency to conform with the Video Electronics Standards Association (VESA) at 1024 × 768 dpi

Active Lines
768

Active Pixels
1024

Vertical Rate
64 Hz

Horizontal Rate
51.584 kHz

Video Clock Rate
68.5 MHz

Pixel Dot Pitch
0.31 mm (maximum)

Compatible with Elo TouchSystems, Model E271-2210 or equivalent, resistive, serial interface

Speakers

Amplified external stereo speakers mounted in the display, or stand-alone speakers meeting or exceeding the following requirements may be used. The monitor's internal speaker will continue to function in the presence of an external speaker(s).

Connector
3.5 mm, standard, mini-stereo plug

Power
2 watts per channel (minimum) integrated stereo amplifier

Distortion
<1%

Input Signal
1.4 volt r.m.s. into 2 k Ω

Output Signal
>35 to <85 dBA at 1 meter with both channels driven by the same signal

Internal Speaker Performance
35 to 70 dBA

Note OEM speakers may require "alternative" cable retention to prevent possible audio cable detachment. Speakers should not have individual volume or ON/OFF capabilities that disable the audible alarms.

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Accessories

P/N 010-1622-00

Mouse, USB

90360-01/03

Remote keypad/receiver

P/N 010-1621-00

Keyboard (U.S. English only;
other keyboards are available
for use outside the U.S.)

A variety of GCX-brand mounting
and mobility solutions are
available from Spacelabs or
GCX directly.

Documentation

Ultraview® Operations Documents CD-ROM (P/N 084-1101-xx)

Spacelabs Healthcare Service Documents CD-ROM (P/N 084-0700-xx)

Spacelabs Healthcare Supplies and Accessories Catalog CD-ROM (P/N 084-1201-xx)

Regulatory Approvals



CSA certified. Meets CSA
C22.2 No. 601.1, IEC 60601-1,
UL 60601-1 for electrical safety.



CE marked in accordance with
the Medical Device Directive
93/42/EEC. Meets EN 60601-1.