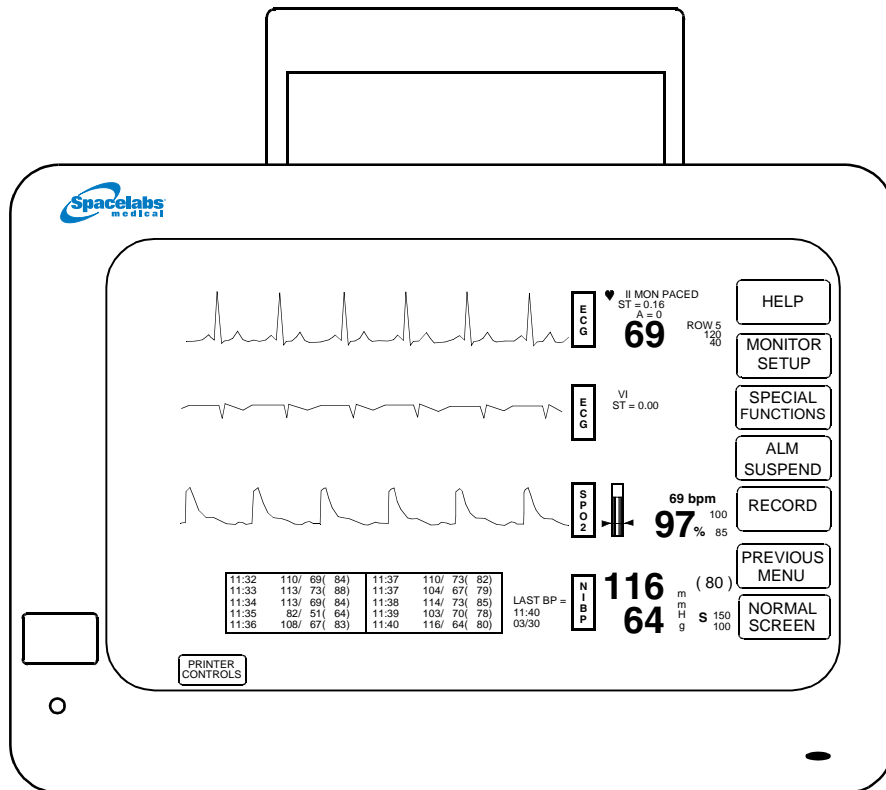


# Ultraview™ 1050 Monitor 90369



- Lightweight, compact, highly portable
- Shares same touchscreen controls as other Ultraview Care Network™ and PCMS™ monitors of appropriate levels
- Compatible with the full line of Ultraview Care Network and PCMS modules
- Large, 10.4-inch (26.42 cm), TFT color display with 140° viewing angle
- Data Shuttle® option allows up to 24 hours of patient data to be transferred to other Ultraview Care Network and PCMS monitors
- Advanced power management system maximizes battery performance during transport; includes battery “fuel-gauge”
- Optional interactive bed-to-bed Ethernet communication
- Instant “Quicknet” 10BaseT Ethernet connection
- Optional wireless Ethernet with one to five outbound waveforms and numeric vital signs transmitted at 2.4 GHz
- Optional built-in 2-channel recorder
- Optional mainstream EtCO<sub>2</sub>, O<sub>2</sub>, and Min CO<sub>2</sub>
- Support for up to 250 nodes on a network with the Expanded Network feature

## SPECIFICATIONS

**Touchscreen** — With the exception of power (ON/OFF), all controls are on-screen touchkeys; touch is sensed by infrared optical devices; optional controls include mouse and keyboard

**Waveform Capacity** — four, five, or six waveforms

**Module Capacity** — 90369 accepts one Ultraview or PCMS module internally and will support up to two additional modules using the 90499 module housing

**Parameter Capacity** — 18 parameters utilizing Ultraview and PCMS modules as well as Flexport® interfaces

**Trends** — 24 hours of trend data can be displayed

**Graphic** — 1-, 2-, 6-, 12- or 24-hour segments; data is stored in 1-minute resolutions (6-hour segment is the default)

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## SPECIFICATIONS

**Tabular** — Time increments of 1, 5, 10, 15, or 30 minutes; 1, 1.5 or 3 hours (1 hour is the default)

**Remote View/Alarm Watch** — When equipped with the Ethernet option, the 1050 provides a waveform display from a remote bedside or telemetry patient on the Ultraview network either on request (Remote View) and/or in response to an alarm (Alarm Watch); the 1050 provides a waveform display from up to 32 selected beds; an Ultraview bedside monitor can be remotely viewed by up to 16 network devices simultaneously (e.g., monitors, workstations)

### Display —

Trace Height: 1.65 in (4.2 cm)  
2.36 in (6.0 cm)

Sweep Speed: A variety of speeds are available under module control

**Ethernet Communication** — 10BaseT telephone-style modular connector (RJ45) provided

**Wireless Ethernet Capability** — Provides 2.4 GHz frequency-hopping spread-spectrum communication; the wireless Ethernet will send one to five waveforms and numeric vital signs to the Ultraview Care Network

### Color TFT Display (TFT) —

Resolution — 640 by 480 pixels  
Size — 8.31 in (21.12 cm) wide  
6.24 in (15.84 cm) high

**Software Updates** — Software updates including new features and capabilities are easily updated over the network

### Options —

- F — Ethernet interface, SDLC, audio I/O, video, alarm, serial; provides noninteractive bed-to-bed communication
- H — Capnography, Ethernet interface, SDLC, audio I/O, video, alarm, serial
- N — Vital Signs Calculations
- O — Drug Dose Calculations
- P — Interactive Network Functions — Adds interactive remote view and alarm watch capabilities for parameters displayed from remote bedsides and remote functionality for all trends (requires option F or H)
- Q — Data Shuttle to transfer patient information to another monitor
- R — Patient Data Logger
- U — Dual Channel Internal Recorder
- Z — Wireless Ethernet Communication
- 04 — Four waveforms

05 — Five waveforms

06 — Six waveforms

## ELECTRICAL SPECIFICATIONS

**Mains Power** — Line voltage: 100-240 VAC;  
Frequency: 50-60 Hz

**Batteries** — Both sealed-lead acid (SLA) and Spacelabs Medical nickel metal hydride (NiMH) are supported. One or two 12 V (2.30 Ah SLA or 2.45 Ah NiMH) batteries may be used, providing up to 2.0 hours of operation (TFT display) for up to 300 charge/discharge cycles with SLA and up to 2.5 hours of operation (TFT display) for up to 600 charge/discharge cycles with NiMH; operating time is dependent on configuration and usage; 1.5 hours are required to charge batteries to 100% of capacity with AC connected to rear panel and mains switch in the OFF position, 3-hour charge time required with the mains switch in the ON position

**Power Fail Backup** — Will maintain patient data for a minimum of three minutes

**Isolation** — Chassis leakage current not greater than 300  $\mu$ A (meets AAMI, UL2601-1, CSA #601.1 and IEC 601-1 standards)

## PHYSICAL DIMENSIONS

**Height:** 8.3 in (21.1 cm)  
**Depth:** 6.2 in (15.8 cm)  
**Width:** 11.7 in (29.7 cm)  
**Weight:** 10.0 lbs (4.6 kg)

## DUAL CHANNEL INTERNAL RECORDER

### — Option U

**Printing Method** — Thermal array print head

**Resolution** — Eight dots per mm vertical and 32 dots per mm horizontal at 25mm per second sweep speed

**Paper** — Heat-sensitive paper, 50mm wide x 30m long, available in a roll

**Traces** — All monitored parameters, including waveforms and graphic trends, full annotation included

**Frequency Response** — Determined by the parameter recorded

**Chart Speed** — 1.56, 3.12, 6.25, 12.5, 25 and 50mm per second (depending on the monitor sweep speed selected)

**Alarm Record** — Records any parameters in an alarm state when "Record on Alarm" is active

**Auto Run** — 20 seconds or duration of alarm violation (whichever is longer)

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## SPECIFICATIONS

**Controls** — Continue, Slow, Stop, Unit Off

**Indicators** — Paper Out, Unit Off

**Record** — Allows selection of up to two active monitor channels plus trends

## ENVIRONMENTAL REQUIREMENTS

**Storage** —

Temperature: -13° to 140°F (-25° to 60°C)

Humidity: 95% (non-condensing)

Altitude: 0 to 40,000 ft (0 to 12,192 m)

**Operating** —

Temperature: 32° to 122°F (0° to 50°C)

Humidity: 95% (non-condensing)

Altitude: 0 to 15,000 ft (0 to 4,572 m)

## ELECTROMAGNETIC COMPATIBILITY

EN60601-1-2, 1993-04

**Emissions** — (CISPR 11) EN55011, Class B

EN61000-3-2: Harmonics

EN6100-3-3: Flicker

Mil-Std-461D: RE101

**Immunity** —

IEC 1000-4-2: ESD, 8 kV contact/15 kV air

IEC 1000-4-3: RF Fields, 20 volts/meter, 26 MHz to 1 GHz

IEC 1000-4-4: Burst, 1 kV data and I/O ports/2 kV power ports

IEC 1000-4-5: Surge, 1 kV differential/ 2 kV common mode

IEC 1000-4-6: Conducted RF, 3 volt r.m.s. 150 kHz to 80 MHz

IEC1000-4-8: Magnetic Field (50/60 Hz), 60 Amps/meter

IEC 1000-4-11: Power quality, voltage and frequency variations

Mil-Std 461D: CS101, 12 volt r.m.s. 10 kHz to 150 kHz

Mil-Std 461D: CS114, 120 dB $\mu$ A 10 kHz to 400 MHz

## REGULATORY APPROVALS

ETL listed and meets standard UL2601-1 for electrical safety; approved by CSA; CE marked in accordance with the Medical Device Directive, 93/42/EEC

## ACCESSORIES

119-0251-01	100-240 volt AC converter <b>Note:</b> This AC converter is mandatory and is included at no charge
146-0018-00	Rechargeable sealed-lead acid (SLA) battery
146-0055-00	Rechargeable nickel metal hydride (NiMH) battery <b>Note:</b> NiMH batteries require units with a minimum serial number of 369-1XXXXX. SLA batteries may be used with all serial number units.
010-1114-00	External sealed-lead acid battery charger (not compatible with NiMH battery packs); recharges 1 to 4 removable SLA batteries; 100-240 V
016-0347-00	Wall mount
016-0369-00	Bed rail mount (for 90369 without capnography option)
016-0369-01	Bed rail mount (for 90369 with capnography option)
016-0447-00	Roll Stand
040-0992-00	Conversion Kit 10BaseT to AUI
010-0609-00	Mouse

For information about required supplies, please refer to the *Spacelabs Medical Supplies Products Catalog*

# Ultraview 1050 Monitor 90369

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