

*élance*<sup>™</sup>

Performance  
with Style



 **SPACELABS**  
Healthcare



	<i>elance 5</i>	<i>elance 5i</i>	<i>elance 5c</i>
<b>PATIENT TYPE(S)</b>	Adult, Pediatric	Adult, Pediatric	Adult, Pediatric
<b>DISPLAY</b>			
<b>Screen Size</b>	10.2" Widescreen LCD	10.2" Widescreen LCD	10.2" Widescreen LCD
<b>Resolution</b>	800 x 480	800 x 480	800 x 480
<b>Waveforms</b>	4 WFs	5 WFs	5 WFs
<b>PARAMETERS</b>			
<b>ECG</b>	3 & 5 LEAD	3 & 5 LEAD	3 & 5 LEAD
<b>Resp</b>	✓	✓	✓
<b>NIBP</b>	✓	✓	✓
<b>SpO2</b>	✓	✓	✓
<b>Temp</b>	2 ch	2 ch	2 ch
<b>IBP</b>	N/A	2 ch	2 ch
<b>EtCO2</b>	N/A	N/A	Microstream
<b>TRENDS</b>	120 hrs.	120 hrs.	120 hrs.
<b>RECORDER</b>	External 2 ch. (Opt.)	External 2 ch. (Opt.)	External 2 ch. (Opt.)
<b>CONTROLS</b>	Touchscreen	Touchscreen	Touchscreen
<b>POWER</b>			
<b>Power Supply</b>	Internal	Internal	Internal
<b>Battery</b>	Li-ion, Internal	Li-ion, Internal	Li-ion, Internal
<b>Battery Time</b>	up to 5-hours	up to 5-hours	up to 5-hours

# *élance*™ Vital Signs Monitor

5/5i/5c

## Features

### Parameters Supported

Standard parameters include Electrocardiogram (ECG), Respiration, Non-Invasive Blood Pressure (NIBP), Pulse Oximetry (SPO<sub>2</sub>), Dual Temperature. Additional parameters such as Dual Invasive Blood Pressure and Capnography are also available depending on the model configurations.

### User Interface

All controls are on-screen touch keys, with the exception of ON/OFF key. A tethered stylus is also available for function navigation.

### Display

Widescreen, color thin film transitive (TFT) liquid crystal display (LCD) with resistive touchscreen.

### Dimensions

#### 10.2 inch Display:

Width	252 mm (9.9 inches)
Height	193 mm (7.6 inches)
Depth	70 mm (2.8 inches)
Weight	2.4kg (5.3 lbs)

### Parameters and Waveforms

The *élance 5* will display up to four waveforms and 6 numeric display zones.

All other model configurations will display up to five waveforms and seven numeric display zones.

**Trends** Displays up to 120 hours of tabular trend data. Save at 1 minute trend record time period.

Time interval of 1, 5, 10, 15, 30, 60, 120-minutes

#### 10.2 inch Display:

Resolution 800 x 480 pixels

Size (Horizontal) 222 mm (8.7 inches)  
(Vertical) 134 mm (5.3 inches)



### Sweep Speed

A variety of speeds are available under parameter control.

**Power** An internal power supply provides power to the monitor

**Advanced Power Management** A built-in lithium-ion battery maximizes battery performance for up to 5 hours during transport.

### Connectors

RJ45 (10/100 Base T Ethernet), USB (for software updates, keyboard/mouse interface) and RJ11 (for nurse alert)

### Languages Supported

English, Spanish, Portuguese, Italian, French, German, Russian, Chinese simple, Chinese traditional.

# élance™ Vital Signs Monitor

## 5/5i/5c

### SPECIFICATIONS :

Display		Environmental Requirements	
10.2 inch Display		Storage	
Resolution	800 x 480 pixels	Temperature	- 20° to 60° C (-4° to 140°F)
		Humidity	15% tp 95% (non condensing)
		Altitude	Up to 12,200 meters (Up to 40,000 feet)
ECG		Operating	
Input	5 lead ECG Cable	Temperature	0° to 40° C (32° to 100°F)
Voltage Range	± 0.5 to ± 5mV	Humidity	15% tp 95% (non condensing)
Defibrillator Discharge Recovery	5 seconds	Altitude	Up to 4,572 meters (Up to 15,000 feet)
Sample Rate	250 samples per seconds (sps)		
Heart Rate Range	15 to 300 bpm		
Display Sweep Speeds	6.25, 12.5, 25.0 mm/sec	OPTIONAL	
Heart Rate Alarm Limits :		- Recorder	
High	20 to 300 bpm	- IBP	
Low	15 to 295 bpm	Transducer Type	Strain-gauge, standardized to 5 µV/mm Hg/V (± 1%)
Pacer Detection	Detects pacer pulses of ± 2 mV to 700 mV with pulse widths of 0.25 to 2 msec and rise times 10% of width not to exceed 100 msec	Transducer Excitation Voltage	5.00 VDC ± 1%
		Dynamic Waveform Range	-50 to +330 mmHg
		Signal Bandwidth	0 to 40 Hz
Respiration		Sample Rate	50 sps
Input	5 lead ECG Cable	Measurement Units	mmHg
Respiration Rate Range	0 to 120 breaths per minute	Measurement Range	-50 to +330 mmHg
Respiration Rate Alarm Limits		Accuracy	± 2 mmHg or ±2% (whichever is greater)
High	6 to 120 breaths per minute	Filter Frequency	12 Hz
Low	5 to 119 breaths per minute	Alarm Limits	
Waveform Sweep Speeds	6.25, 12.5, 25.0 mm/sec	High	-5 to +250 mmHg
		Low	-10 to +245 mmHg
		Waveform Sweep Speeds	6.25, 12.5, 25.0 mm/sec
NIBP		Display Parameter	Systolic, diastolic, and mean ppressure display for arterial, pulmonary artery, umbilical artery, umbilical venous, and generic pressure; mean pressure displayed for all others
Measurement Method	Oscillometric		
Measurement Units	mmHg		
Measurement Mode	Automatic or manual		
Automatic Measurement Intervals	Adjustable at intervals of 3, 4, 5, 10, 15, 30, 60, 90, 120, or 240 minutes	Numeric Update Rate	every 3 seconds
Measurement Range		- ETCO2	
Systolic Pressure Range	30 to 210 mmHg	Parameter Display	
Diastolic Pressure Range	10 to 210 mmHg	CO2 Waveform, ETCO2, FICO2	
Mean Pressure Range	20 to 210 mmHg	CO2 Measurement Range	
Measurement Time	30 seconds (typical); < 135 seconds (maximum)	ETCO2	0 mm Hg to 99 mmHg
			0 kPa to 13.2 kPa
Temperature		Unit	mmHg, kPa
Probe Type	thermisor probe YSI 400	Display Sweep Speeds	6.25, 12.5 and 25.0 mm/sec
Measurement Range	5.0°C to 50°C (41.0° to 122° F)	Alarm Limit Rangs	
		ETCO2	
		High	7 mmHg to 80 mmHg
			0.8 kPa to 10.6 kPa
		Low	5 mmHg to 60 mmHg
			0.6 kPa to 7.9 kPa
		FICO2	0 mmHg to 24 mmHg
			0.1 kPa to 3.2 kPa
Electrical Specifications		EtCO2 Accuracy	0 to 38 mmHg, ± 2 mmHg
Main Power	AC mains 100 - 240V, 50-60 Hz, 2-1A		39 to 99 mmHg, ± (5% of reading + 0.08% for every 1 mmHg above 38 mmHg)
Internal Power Supply	30W Medical Grade		
Fuses	Qty 2, T1.0A, 250 Volts IEC (5x20 mm)	Total System Response Time	< 5 seconds
Battery	A Single Li-ion battery provides up to 5 hours		
Isolation	EN 60601-1		
Compliance	91/157/EEC Battery Declaration Directive		

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Regulatory Approvals

