



**Datalys<sup>TM</sup> 760**

**Multiparameter**

**Patient Monitor.**

# Datalys™ 760

## Features

- 10.4" TFT Color Touch Screen
- Operating methods: Trim knob/buttons, and touch screen
- Advanced patient file management system
- High capacity storage allows for power-off data protection
- Inclined screen for easy observation
- Built-in Lithium battery allows for up to 4 hours of continuous working time



- Fixed handle for easy mobility
- 4000mAh Li-ion battery allows for 4 hours of continuous working time.

- Auto dust shield prevents contamination from foreign substance
- Offers handwriting pen with slot interface, SD card slot, USB connector, Network connector, and VGA connector





# Monitoring you can count on!



## Various Mounting Solutions

- Pole Mount
- Wall Mount
- Mobile vertical stand



- IPX1 waterproof design. Great for performance in various environments
- Compliant with CE standards
- Sleek appearance of a professionally designed frame
- I-Klok™ Intelligent alarm management, automatic-identification of alarm level. Self adjust proper alarm time to reduce false alarms.



- ARR analysis, RESP Apnea alarm, OxyCRG
- CMRR≥105 dB, outstanding ECG anti-interference capability





# Technical Specifications

## Safety

ISO 13485:2003 approved  
CE marking according to MDD93/42/EEC  
Degree of protection against harmful ingress of water: IP X 1

## Dimension and Weight

Dimension: 14.9in x 12.5in x 13.7in  
380mm x 320mm x 350mm  
G.W: 14lbs (6.5kg)  
N.W: 8.8lbs (4.0kg)

## Operation Environment

Power: AC100-250V, 50/60Hz  
Temperature: 32°F (0-40°C)  
Humidity: 15%-85%

## Patient Range

Patients: Adult, Pediatric, Neonate

## Performance Specifications

Display: 10.4 inch color TFT touch screen  
Resolution: 800x600  
Trace: 12 waveforms  
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s  
Indicator  
Lights: Power and Battery  
Interface: Parameter cable interface  
AC power input socket  
Network interface  
External VGA interface  
Alternative Display  
Battery: Lithium-ion battery/ Rechargeable Plug & play battery, Capacity: 4000Ma. Over 4 hours continuous working time  
Trend time: 1-120 hours  
Alarm: User-adjustable High and low limits for audible and visual alarm  
Networking: Connects to central monitoring system  
Recorder: Built-in, thermal array  
Waveform: 2 channels  
Record mode: manual, on alarm, time -defined, etc  
Paper width: 1.97in (50mm)  
Print speed: 12.5mm/s, 25mm/s, 50mm/s  
Internal Modules: ECG module, SpO<sub>2</sub> module, NIBP module, Main control module and power supply module.

## ECG

Lead selection: 7-lead  
Gain selection: X1/4, X1/2, X1, X2, Auto  
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s  
Heart rate range: Adult: 15-300bpm  
Ped./Neo.: 15-350bpm  
Accuracy: ±1% or ± 2 bpm  
Resolution: 1 bpm  
ECG enlarge width: MON: 0.5-40Hz  
DIA: 0.05-130Hz  
OPE: 1-20Hz

ST Segment detection:  
Arrhythmia analysis: -2.0mV - +2.0Mv (Automatic)  
Electrode desquamated indicator:  
HR alarming time: Voice & light indication  
PR from ECG: ≤12s  
Adult: 15-300bpm  
Ped./Neo.: 15-350bpm  
ECG noise level: ≤ 30 uV (P-P value)  
ECG input loop current:  
Input impedance: 0.1 UA  
CMRR: >5 M  
Time constant: ≥105 Db  
Monitoring mode ≥0.3s  
Diagnostics mode ≥3.2s  
Line frequency, electrosurgical interference and defibrillation, arrhythmia analysis and pacemaker detection  
ECG cable: Standard ECG cable for Adult  
Standard two ECG cables to support 12 leads ECG  
Alarm setting: Adjustable from lower to upper and automatic memory

## SpO<sub>2</sub>

Measurement range:  
Resolution: 0-100%  
Accuracy: 1%  
±2% (70-100%, Adult/Ped., non-motion)  
±3% (70-100%, Neo., (non-motion)  
±3% (70-100%, Adult/Ped./Neo., (motion)  
Alarm range: 0-69% unspecified  
1-100%

## Pulse Rate

Range:  
Resolution: 0-254bpm  
Accuracy: 1bpm  
±3bpm (non-motion)  
±5bpm (motion)  
Alarm range: 0-254bpm

## NIBP

Method:  
Operation modes: Automatic oscillometric  
Measurement unit: Manual/ Auto/ Continuous  
Measurement types: mmHg/kPa selectable  
Auto measure time: Systolic, Diastolic, Mean  
Measurement range: Adjustable  
Range of systolic pressure:  
Adult Mode: 40-270mmHg  
Ped. Mode: 40-200mmHg  
Neo. Mode: 40-150mmHg  
Range of diastolic pressure:  
Adult Mode: 10-215mmHg  
Ped. Mode: 10-150mmHg  
Neo. Mode: 10-100mmHg  
Range of mean pressure:  
Adult Mode: 20-230mmHg  
Ped. Mode: 20-165mmHg  
Neo. Mode: 20-110mmHg  
Accuracy of blood pressure measurement  
The mean error shall be less than ± 5mmHg  
The standard deviation shall be less than 8mmHg

Over-Pressure protection:  
Resolution: Double safety protection  
Alarm: 1mmHg  
Systolic, Diastolic, Mean

## RESP

Method: R-F(RA-LL) impedance method  
PR measurement range: Adult: 7-120bpm  
Neonate: 7-150bpm  
±1rpm  
Resolution: ±1rpm  
Accuracy: Adjustable from lower to upper and auto memory  
Alarm setting:

## EtCO<sub>2</sub>

Sidestream CO<sub>2</sub> CO<sub>2</sub> Measurement Range: 0-150 mmHg, 0 to 79%, 0 to 20kPa (at 760mmHg)  
±2 mmHg (0-40mmHg)  
Accuracy: ±5% of reading (41-70mmHg)  
±8% of reading (71-100mmHg)  
±10% of reading (101-150mmHg)  
50ml/min ±10mL/min  
Sampling rate: 15%  
Sampling rate accuracy: <1 min, once module starts up, it reaches ISO accuracy  
Start-up time: 10 minutes after start-up, the module reaches full accuracy mode  
Mode: 0-120bpm  
Respiration rate: ±2rpm (0-70rpm)  
Respiration rate accuracy: ±5rpm (>70rpm)  
<240msec (10% to 90%)  
Response time: <2s  
Delay time: 7 inches internal diameter,  
Sampling line length: 0.055 inches, sampling gas flow rate: 150ml/min

Mainstream CO<sub>2</sub> Method: Infrared Absorption  
Mainstream  
Measuring mode: 0-150mmHg, 0 to 79% , 0 to 20kPa (at 760mmHg)  
Measurement range: 0.1 mmHg 0 to 69 mmHg  
Resolution: 0.25mmHg 70 to 150mmHg  
Accuracy: ±2 mmHg (0-40 mmHg)  
±5% of reading (41-70 mmHg)  
±8% of reading (71-100mmHg)  
±10% of reading (101-150mmHg)

## TEMP

Channel: 1  
Measuring and Alarm Range: 0~50°C  
Resolution: 0.1°C  
Accuracy: ±0.1°C  
Actualization Interval: about 1 second  
Average Time Constant: <10 seconds

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