Advanced Instrumentations

NEO

Infant Incubator
A3186+

Neonatology

January 2018 | A3186+ Rev.03

Advanced® Instrumentations

A3186+
Infant Incubator

safe and reliable

Highly advanced new generation of infant incubator

The Advanced® A3186+ Infant Incubator meets the demands for various levels of care in the neonatology department.
It is easy to use and accessible for most clinics and hospitals.

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Key Features

A3186+ safe and reliable

Microprocessor controlled system
LCD screen with Trend graphics display
Information in English, Spanish, Portuguese
Double wall made of high optical quality acrylic
Precise distribution of heat over the whole hood
Removable parts easy to clean
Internal Noise Level >50 dB
Easy access panel in front and back
Grommets for cables and probes Trendelenburg and Reverse Trendelenburg Patient skin temperature probe
Auxiliary temperature input
Servo controlled active humidity System
Skin mode and Air control mode
Air Temperature monitoring
Patient temperature monitoring

Comprehensive alarm system
Heating failure alarm
Skin probe failure
Air probe failure
Air circulation failure
Power supply failure
System failure
Air micro-filter
Castors with brakes
Monitor shelf
IV Pole
Stand assembled w/ 2 drawers and 1 large drawer
Integrated infant scale (optional)
Adjustable height trolley (optional)
Phototherapy lamp (optional)
Pulse Oximeter (SpO2) Kit (optional)
Power Supply: AC 100/240 Volts 50/60 Hz.
Meets CE Directive93/42EEC on Medical Device (MDD)
Meets ISO13485 Quality Standard

2 YEARS warranty

CE

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Exceptional safety

The materials used comply with to the hygienic and toxicological requirements.

Easy access

Comes six fully transparent windows and large door.

Silent operation

The noise level in the hood is below 50 dBA. The opening and closing of windows is absolutely noiseless.

Multiple Functions

One Complete Infant Care Unit with multiple functions such as: Bi-directional Air Flow, Thermal Performance, Data Trending, Servo-controlled Oxygen, Servo-controlled Humidity, Advanced Alarm System.

Integrated X-ray Tray, weight Scale, Adjustable Height, Phototherapy Light (optional)

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Technical Specifications

Specifications of The Top	Mattress Dimension	34x63 cm / 13,4x 24,8 in
	Access Panel Height	21 cm / 8,3 in
Temperature Control	Air Mode Control Range	20-39°C
	Air Mode Surpassing	>37°C
	Skin Mode Control Range	34-38°C
	Skin Mode Surpassing	>37°C
	Temperature Increase	<40 minutes
Temperature Alarm and System	Skin Temperature Limits	±1.0°C (Adjustable up to 0.5C°)
	Air temperature Limits	+1,5°C/-3,0°C (Adjustable up to 0.5C°)
	Air temperature (Limit)	40,0°C Air Temp >37°C 39,0°C Air Temp <37°C
	Heating / air circulation failure	
	Disconnection / failure in skin probe	
	Power supply / system failure	
	Air probe failure	
Servo-Active Humidity	Measure Range	20 to 100%
	Reservoir Capacity	1 liter
	Refiling Time	24h @85%
	System Accuracy	±5%
	Display Resolution	1% UR
	Adjust Range	30 to 95% UR
	High Humidity Alarm	+5%
	Water loss / displacement probe / probe failure alarms	
Oxygen Input	Environment up to 85%, input valve that allows high concentrations with low flows, pre-heating till the internal air temperature	
O2 Servo Control (Optional)	Measure Range	18 to 100%
	Control Range	21 to 65%
	Display Resolution	1%
	Control Accuracy	±3%
	Alarm Concentration	±3%
	Probe with two cells of O2 /displacement probe/ probe failure / required oxygen / calibration alarms, / calibration failure alarm	
Scale (Optional)	Weight Limit	10 Kg
	Display Resolution	2 g
	Accuracy	4 g
Pulse Oximeter (Optional)	Measure range of spo2, pulse frequency measuring range 20 to 250 bpm with days reusable probe and adhesive box, complete range of alarms	
Other Features	Oxygen Micro Filter	0,5 µ
	Air Micro Filter	0,5 µ
	Removable Particles	99.8% of efficiency
	Dimensions	
	Co2 Levels	<0.5%
	Internal noise level <50db, keyboard lock, insulation class i, applied part type bf, protection against explosive atmosphere non ap/non apg, protection against water penetration ipx4	
Limits for Circumstantial Requirements	Operating Temperature	20~30°C room temp
	Storage Temperature	0~60°C room temp
	Operating Humidity	5~99% RH non-condensing
	Storage Humidity	0~99% RH non-condensing
	Operating Temp for Ur Probe	20~42°C
	Operating Temperature for O2 Probe	20~42°C
	Weight Limit for I.V. Pole	5 Kg
	Weight Limit for Rotary Trays	10 Kg/Shelf

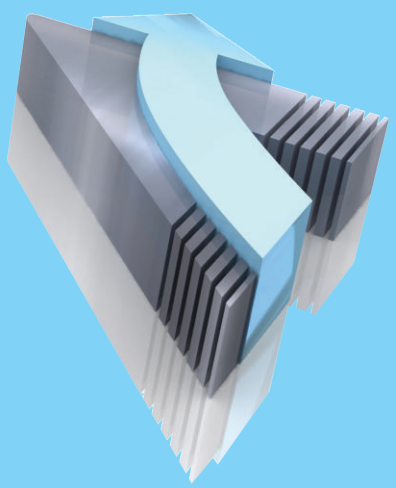
Success Through Quality/Since 1988

Advanced Instrumentations Inc. Success Through Quality, a Company You Can Trust

Advanced Instrumentations manufactures leading medical technology equipment in the areas of anesthesia, cardiology, operating room, gynecology and obstetrics, IV therapy, patient monitors, hospital furniture, neonatology and ultrasound. We deliver to the healthcare industry the highest-quality standards, reliability, and patient safety in all our products through effective, and rigorous testing procedures by our own department of Biomedical Engineering in the United States. All of our equipment comes with 2 years warranty and excellent post-sale support services.

Advanced Instrumentations Inc. Complies with the requirements of the ISO standards 9001: 2008 and 13485-2003 following the audit by one of the most prestigious global certification companies, as it is TÜV SÜD America. We comply with the requirements and are audited by the US Food and Drug Administration (FDA) an entity of the health and Human Services of the United States of America. These certifications are the result of dedication and commitment to excellence in our products and services.

ISO 13485:2003 CE TIPE



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