ARDO

AIRstream
technology

EASYtask
- Navigation -

SENSOcontrol
- System -
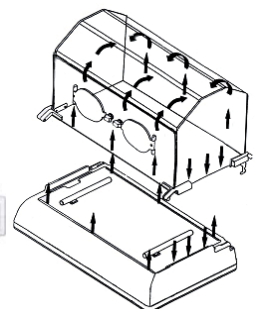
Triple Wall

ARDO Amelie and Amelie star

The development of our new generation of intensive care incubators has been based on many years of experience as well as close cooperation with experts. The safety of the newborn was of prime importance, along with technical innovation and ensuring a high level of reliability. Without compromise, every detail has been considered with the practical requirements in mind, to ensure that the operation of the incubator is as user-friendly as possible.

- Integrated skin and air temperature control
- Active humidity control
- Integrated oxygen control via display (Amelie star)
- Microprocessor controlled
- LCD Display with backlight and clearly arranged "EASYtask" menu navigation
- Maximum safety through "SENSOcontrol" monitoring- and regulation system
- Recording-diagram, trend for all modes
- Infinitely variable, electrical height adjustment with handling on front- and back-side (optional)
- High-quality mattress, breathable Dartex
- Lying surface inclination, adjustable from the front side of the incubator
- Integrated scale (accessory)
- Integrated X-ray compartment
- Optimal handling: frontdoor as well as backdoor can be opened completely
- Gaskets and tube grommets made out of high-tech silicone
- 5 arm access openings, one reach-through with iris diaphragm and 10 tube grommets
- Upgradeable with up to 2 convenient drawers (accessory)
- Easy to clean due to smooth and easy accessible surfaces and simple disassembling
- Due to the special developed ARDO "Airstream" technology optimal, draft-free circulation and equal spreading of temperature. When doors are opened only slight variations in temperature occur due to the "air curtain"

Operational Area
- Treatment and care of premature babies and vital vulnerable newborns

Technische Daten | *Technical data*	ARDO Amelie	ARDO Amelie star
Zubehör | *Accessories*		
Elektrische Höhenverstellung | *Electric height adjustment*	optional	
Unterschrank mit 2 Schubladen | *Compartment with two drawers left and/or right*	optional (Belast. 4 kg je Schublade | *load max. 4 kg per drawer*)	
Integrierte Babywaage | *Integrated baby scales*	optional	
Monitortablar | *Monitor tray*	optional (Belastung 8 kg max. | *load 8 kg max.*)	
Infusionsständer | *Infusion rod*	optional (Belastung 2 kg max. | *load 2 kg max.*)	
Röntgenfach / 2 Geräteschienen | *X-ray compartment / 2 fitting rails*	ja | *yes*	
Drucker zu RS232 Schnittstelle | *Printer to RS232 interface*	optional	
Sauerstoffregelung | *Oxygen control*	Mit | *By* Flowmeter & Analyzer	Integriert | *Integrated*
Betriebsarten | *Modes*		
Temperatur | *Temperature*:		
Luft: Einstellbereich / Sonderbereich | *Air: Setting range / Special setting range*	25.0 – 37.0 °C / 37.0 – 39.0 °C	
Haut: Einstellbereich / Sonderbereich | *Skin: Setting range / Special setting range*	34.0 – 37.0 °C / 37.0 – 38.0 °C	
Temperatur- / Hautfühler Genauigkeit | *Temp. variability / Skin sensor accuracy*	$\leq 0.5°C / \leq 0.3°C$	
Anzeige Auflösung | *Display resolution*	0.1 °C	
Trendanzeige / Messintervall für Trend | *Trend display / Measuring rate for trend*	2, 4, 8, 12, 24 h / 1 min	
Luftfeuchtigkeit | *Humidity*:		
Wasserbehälter Inhalt / Betriebsdauer je l | *Water reservoir capacity / Operating time per l*	1000 ml / $\geq$12 h bei | *at* < 60 % RH	
Einstellbereich | *Setting range*	00 – 90 % RH in 1% Schritten | *in steps of 1%*	
Anzeigegenauigkeit | *Display accuracy*	±6% RH (10 – 90 % bei | *at* 20 – 40°C)	
Anzeigebereich / Anzeige Auflösung | *Display range / Display resolution*	0 – 99 % RH / 1%	
Trendanzeige / Messintervall für Trend | *Trend display / Measuring rate for trend*	2, 4, 8, 12, 24h / 1 min	
Babywaage | *Baby scales* (optional):		
Wiegebereich / Anzeigegenauigkeit / Auflösung | *Weight range / Display accuracy / resolution*	100 – 8000 g / ±10 g / 1 g	
Trendanzeige / Messintervall für Trend | *Trend display / Measuring rate for trend*	7 Tage / 2 – 7 Wochen / 1h | *7 days / 2 – 7 weeks / 1h*	
Sauerstoff Regelung | *Oxygen servo control*:		
Einstellbereich / Anzeigegenauigkeit | *Setting range / Display accuracy*	–	20 – 60 % in 1% Schritten | *steps* / ±3 %
Anzeigebereich / Anzeige Auflösung | *Display range / Display resolution*	–	0 – 99 % / 1%
Trendanzeige / Messintervall für Trend | *Trend display / Measuring rate for trend*	–	2, 4, 8 , 12, 24 h / 1 min
Alarme | *Alarms*		
Temperatur Abweichungen: Haut- / Luftregelung | *Temperature deviations: skin- / air control*	±1°C / ±3°C	
Übertemp. Hautregelung / Übert. Luftregel. | *Over temp. skin control / Over temp. air control*	40.0°C / 38°C bei | *at* $\leq$37°C und | *and* 40°C bei | *at* > 37°C	
Feuchteregelung / Sauerstoffregelung | *Humidity control / Oxygen control*	±15 % / ±5 %	
System | *System*:	Controller error, Communication error, Sensor box error, Display error, Keyboard error, Motor error, Airflow error, Battery error, Heater error, Fan error	
Sensoren | *Sensors*:	Air sensor, Air sensors are different, Skin sensor 1, Skin sensor 1 is placed incorrectly, Isolated air sensor, Airflow sensor, Humidity sensor, O_2-sensor 1, O_2-sensor 2, O_2-sensors are different, Scales sensors	
Haube | *Hood*		
Anzahl Klappen / Manipulationsklappen / Irisblenden / Schlauchdurchführungen | *Number of doors / arm access openings / Iris diaphragm / tube grommets*	2x / 5x / 1x / 10x	
Betriebsgeräusch (Innenraum) | *Noise level (interior)*	< 45 dBA	
Luftströmung Liegefläche / CO₂ Konzentration | *Air velocity lying surface / CO_2 concentration*	$\leq$0.12 m/s / $\leq$0.15 %	
Installation		
Netzspannung / Frequenz / Leistungsaufnahme | *Mains voltage / frequency / Power consumption*	230 VAC ± 10% / 50/60 Hz / 1840 VA max.	
Betriebsraum Temp. / -Feuchtigkeit / Atmos. Druck | *Operating temp. / -humidity / Atmosph. pressure*	20°C – 30°C / 30% – 75% RH / 700 – 1060 hPa	
Lagerraum Temp. / -Feuchte / Atmos. Druck | *Storage temp. / -humidity / -atmospheric pressure*	(bis 15 Wochen | *until 15 weeks*) –20 – +55°C / $\leq$93% RH / 500 – 1060 hPa	
Anschlüsse am Gerät | *Connections at the incubator*	Mains socket, 3 auxiliary sockets, RS232 interface, O_2 inlet, Potential equalization	
Abmessungen/Gewicht | *Dimensions/Weights*		
Breite / Tiefe | *Width / Depth*	106 cm / 68 cm	
Höhe fest / -mit Höhenverstellung | *Height fix / -with electric height adjustment*	145 cm / 140 – 165 cm	
Höhe Liegefläche fest / -mit Höhenverstellung | *Height lying surface fix / -with height adjustm.*	103 cm / 98 – 123 cm	
Höhe zwischen Liegefläche und Haube | *Clearance between lying surface and hood*	42 cm	
Öffnung Front- und Rückklappe (BxH) | *Opening front- and back door (WxH)*	85 x 34 cm	
Liegefläche (BxT) / Trendelung der Liegefläche | *Lying surface (WxH) / Inclination lying surface*	76 x 38 cm / ± 8°	
Gewicht / -mit Höhenverstellung ca. | *Weight / -with height adjustment approx.*	90 kg / 100 kg	
Konformität | *Conformity*	**CE** 0123	
Normen | *Standards*	In Übereinstimmung mit der Medizin Produkte Richtlinie *Complies with Medical Devices Guideline*	

ARDO Amenic

Amenic is a proven, open intensive care system for the care of premature and newborn babies. The reliability, userfriendliness and flexibility of the Amenic system in everyday care are appreciated by many hospitals. Thanks to the range of models and the numerous options, Amenic can always meet specific needs.

Features and Benefits

- Quartz heating controlled by skin temperature or ceramic heating with manual control
- Offers optimum access to the patient
- Radiant heat in medium infrared range
- Direct heat supply - the newborn will have the required temperature fast and efficiently
- ARDO Amecosy NC1 (warming mattress) can be used with this system
- Built-in X-ray compartment with location-finding grid permits efficient X-ray diagnosis
- The PivotArm technology means the heater can be moved up to 60° in both directions allowing room for additional applications such as X-ray without having to move the patient
- The angle of the lying area can be adjusted for head up or down positions
- Range of accessories
- Guaranteed for 2 years
- Applications
- For intensive care over longer periods and resuscitation of premature and newborn babies whose metabolism needs heat support

《 **PivotArm** 》

Intennia Co., Ltd.

Technische Daten | *Technical data*	Wärmeregelung mit Hautfühler *Heating controlled by skin temperature*			Manuelle Wärmeregelung *Heating with manual control*	
	Amenic supreme	Amenic e-servo	Amenic s	Amenic Amemnc	Amenic e
Zubehör | *Accessories*					
Elektrische Höhenverstellung | *Electric height adjustment*	ja | *yes*	–	–	ja | *yes*	–
Unterschrank mit 2 Schubladen | *Compartment with two drawers*	optional	optional	–	optional	optional
Doppel Fototherapielampen | *Double phototherapy lamp*	optional	optional	optional	optional	optional
Röntgenfach | *X-ray tray*	ja | *yes*	ja | *yes*	–	ja | *yes*	ja | *yes*
Monitortablar | *Monitor tray*	optional	optional	–	optional	optional
Geräteschiene | *Fitting rail*	optional	optional	–	optional	optional
Infusionsstange | *Infusion rod*	optional	optional	–	optional	optional
Sauerstoffanlage | *Oxygen facilities*	optional	optional	–	optional	optional
Apgar Timer	optional	optional	optional	optional	optional
Amecosy NC1 Wärmematratze | *-warming mattress*	optional	optional	–	optional	optional
Allgemeines | *Miscellaneous*					
Heizleistung | *Heating power*	500W Quartz	500W Quartz	500W Quartz	2x 325W Ceramic	2x 325W Ceramic
Sollwertbereich Hauttemperatur | *Skin temperature setting range*	34°C– 37.9°C	34°C– 37.9°C	34°C– 37.9°C	–	–
Leistungseinstellung manuell | *Manual heat output control*	0% – 100%	0% – 100%	0% – 100%	6 Stufen | *6 steps*	6 Stufen | *6 steps*
Anzeigebereich LCD Display | *Display range LCD*	0.0 °C– 99.9°C	0.0 °C– 99.9°C	0.0 °C– 99.9°C	–	–
Anzeigebereich LED Display | *Display range LED*				50% – 100%	50% – 100%
Aufwärmzeit nach IEC | *Warm-up time according to IEC*	45 min	45 min	45 min	45 min	45 min
Liegeflächenschrägstellung | *Bed inclination*	± 10°	± 10°	–	± 10°	± 10°
Höhenverstellung elektrisch | *Electric height adjustment*	24V	–	–	24V	–
Schwenkbereich Strahler | *Swiveling range*	± 60°	± 60°	–	± 60°	± 60°
Beobachtungsleuchte | *Observation lamp*	12V / 50W / 40°	12V / 50W / 40°	12V / 50W / 40°	12V / 50W / 40°	12V / 50W / 40°
Alarme | *Alarms*					
Spannungsausfall | *Power failure*	ja | *yes*	ja | *yes*	ja | *yes*	ja | *yes*	ja | *yes*
Hautfühler-Solltemperatur Abweichung | *Skin temperature deviation*	± 0.8°C	± 0.8°C	± 0.8°C	–	–
Übertemperatur | *High temperature*	39°C – 39.5°C	39°C – 39.5°C	39°C – 39.5°C	>50% / >15 min	>50% / >15 min
Hautfühler defekt, unterbrochen oder nicht eingesteckt | *Skin probe defective or not plugged in*	ja | *yes*	ja | *yes*	ja | *yes*		
Installation					
Netzspannung | *Mains voltage*	115/120V ± 10% 220/230V ± 10%	115/120V ± 10% 220/230V ± 10%		– 220/240V ± 10%	– 220/240V ± 10%
Netzfrequenz | *Mains frequency*	50 / 60 Hz	50 / 60 Hz		50 / 60Hz	50 / 60Hz
Leistungsaufnahme | *Power consumption*	1150VA	1150VA		980VA	980VA
" " mit Fototherapielampen | *" " with phototherapy lamps*	1550VA	1550VA		–	–
Raumtemperatur | *Ambient temperature*	18°C –30°C	18°C –30°C		20°C – 26°C	20°C – 26°C
Raumfeuchtigkeit | *Ambient humidity*	30% –50% RH	30% –50% RH		30% –75% RH	30% –75% RH
Abmessungen / Gewicht | *Dimensions / Weight*					
Breite / Tiefe | *Width / Depth*	75 cm / 120 cm	75 cm / 120 cm	75 cm / 105 cm	75 cm / 120 cm	75 cm / 120 cm
Höhenverstellung | *Height adjustment range*	20 cm	–	22 cm (manually)	20 cm	-
Gesamthöhe min./max. | *Height min. / max.*	183 cm / 203 cm	194 cm / 194 cm	168 cm / 190 cm	175 cm / 195 cm	186 cm / 186 cm
Gesamthöhe der Liegefläche min. | *Height mattress level min.*	88 cm	99 cm	–	88 cm	99 cm
Gesamthöhe der Liegefläche max. | *Height mattress level max.*	108 cm	99 cm	–	108 cm	99 cm
Liegebett (B x T) | *Bed dimensions (W x D)*	60 x 76 cm	60 x 76 cm	–	60 x 76 cm	60 x 76 cm
Distanz Liegebett zum Strahler | *Distance mattress to heater*	80 cm	80 cm	–	66 cm	66 cm
Bodenfreiheit | *Ground clearance*	16 cm	16 cm	10 cm	16 cm	16 cm
Gewicht Basisgerät ca. | *Basic unit weight approx.*	125 kg	115 kg	65 kg	125 kg	115 kg
Konformität | *Conformity*	**CE** 0123	**CE** 0123	**CE** 0123	**CE** 0123	**CE** 0123
Normen | *Standards*	In Übereinstimmung mit der Medizin Produkte Richtlinie *Complies with Medical Devices Guideline*				

ARDO Amemnc

Our ARDO Amemnc ceramic radiant heater is extremely flexible and can be used in many different situations. With a proven and reliable technology it provides maximum effectiveness and safety whatever the location.
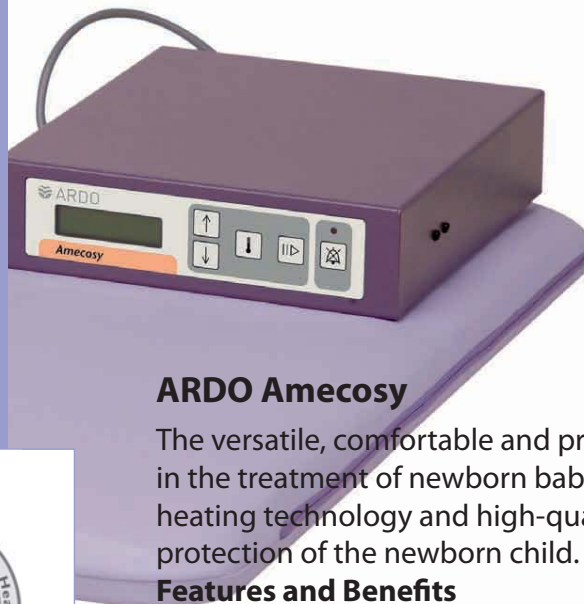
Features and Benefits

- Adjustable heat between 50 % - 100 % in relation to the ambient temperature
- Two-colored display showing the current percentage
- Audio and visual alarms from 11 minutes onwards if the level is set at over 50 %
- If the alarm is not reset, the heat will be reduced automatically to 50 % after 15 minutes. An additional alarm is set off
- An adjustable halogen lamp provides bright light in the working area
- Can be fitted to the wall or to the ceiling. Also available on a trolley.
- Guaranteed for 2 years

Applications

- Over the examination table
- Over the cot
- In the maternity ward
- Over the resuscitation area
- Over the open intensive care unit
- At the pediatrician's

Technische Daten	Technical data	ARDO Amemnc
Ausstattung	Equipment	
Beobachtungsleuchte	Observation spotlight, halogen	ja	yes
Rollgestell	Mobile stand	optional
Wandhalter / Deckenstativ	Wall mounting / Ceiling mounting	optional
Allgemeines	Miscellaneous	
Netzspannung / Netzfrequenz	Mains voltage / Mains frequency	230 VAC ±10%
Leistungsaufnahme	Power consumption	980 VA
Heizleistung maximum	Heating power maximum	325 Watt x 2
Bestrahlungsstärke IR / IRA	Irradiance IR / IRA	17.6 mW/cm^2 / 0.007 mW/cm^2
Einstellung der Heizleistung in 6 Stufen	Heating power setting range (in 6 steps)	50 x 100%
Beobachtungsleuchte, Halogen	Observation spotlight, halogen	12 V / 50 Watt / 40°
Schutzklasse geerdet / Schutzgrad	Protection class, grounded / Protection level	Schutzklasse 1	Protection class 1
Abmessungen/Gewichte	Dimensions/Weight	
Strahlergehäuse	Warmer housing	250 x 80 x 710 mm
Variable Höhe bis Unterkannte Strahler	Variable height (floor to housing)	1520 / 1570 / 1620 / 1670 mm
Mindestabstand Liegefläche zum Strahler	Min. clearance (warmer to mattress)	660 mm
Stativfuss	Mobile roller frame	700 x 100 x 600 mm
Gewicht mit Wandhalter / mit Rollgestell	Weight with wall mounting / with mobile stand	10 kg / 27 kg
Gewicht mit Deckenstativ	Weight with ceiling mounting	je nach Länge des Stativs	depending on the length
Konformität	Conformity	**CE** 0123
Normen	Standards	In Übereinstimmung mit der Medizin Produkte Richtlinie *Complies with Medical Devices Guideline*

ARDO Amecosy

The versatile, comfortable and proven warming mattress for thermal support in the treatment of newborn babies. A comprehensive safety concept, special heating technology and high-quality components ensure the well-being and protection of the newborn child.

Features and Benefits

- Precise temperature control in steps of 0.1°C
- Minimum temperature differences of ±0.5°C across the entire mattress
- The HeatMembrane system provides an almost total transfer of heat
- Optimum adaptation to the baby's body due to the visco-elastic foam (fluid free)
- Dermatologically safe, anti-bacterial and flame-retardant mattress cover (high quality Dartex) which is easy to clean
- Safe for use in operating theatres
- Control unit with illuminated LCD display
- Permanently active control system
- Comprehensive range of audio alarm functions and integrated "Nurse-Call"
- Programmable settings include audio-alert tones and volume
- Mattress available in three sizes
- Fulfills Safety Extra Low Voltage (SELV) requirements
- Automatic self-diagnostic search and display system
- Guaranteed for 2 years

Applications

- Wide range of application in hospital and clinic

Technische Daten | Technical data	Amecosy NC1	Amecosy NC3
Versionen | Models	Offene Intensivpflege (Amenic) | Open Intensive Care (Amenic)	Wärmebett | Warming Bed
Allgemeines | Miscellaneous		
Regelbarkeit / Genauigkeit | Temperature setting range / Accuracy	28...38 °C (82.4...100.4 °F) / +/− 0.5 °C (+/− 0.9 °F)	
Spannung / Frequenz | Mains voltage / Mains frequency	230 or 115 VAC / 50 / 60 Hz	
Stromverbrauch | Power consumption	130 Watt	
Verbindungskabel | Power cable	3 m	
Abmessungen/Gewichte | Dimensions/Weight		
Masse der Matratze | Dimensions mattress (L x W x H)	765 x 600 mm x 40 mm	650 x 330 mm x 40 mm
Masse des Steuergeräts | Dimensions control unit (L x W x H)	235 x 250 mm x 65 mm	235 x 250 mm x 65 mm
Gewicht der Matratze | Weight mattress	5.5 kg	2.8 kg
Gewicht des Steuergeräts | Weight control unit	4.2 kg	4.2 kg
Konformität | Conformity	CE 0123	CE 0123
Normen | Standards	In Übereinstimmung mit der Medizin Produkte Richtlinie Complies with Medical Devices Guideline	

ARDO Amelux

The compact and effective phototherapy light system for the treatment of hyperbilirubinaemia in premature and newborn babies. Many hospitals value this equipment which is efficient and easy to use and incorporates reliable technology for which ARDO is renowned.

Features and Benefits

- Effective phototherapy from 6 Compact Fluorescent Lamps, optimum reflectors provide a focused light field
- Low energy consumption
- Fully adjustable (height and angle)
- Built-in total run hour timer
- The specially developed Air Convection System ensures that unwanted heat is discharged through the air vents in the heating unit without a fan.
- Especially quiet thanks Air Convection
- Straightforward use
- Long life lamps (2'000 hours)
- Maintenance-free
- Guaranteed for 2 years

Applications

- Blue light for effective and intensive therapy
- Blue and white light combined for effective therapy and pleasant mixed light for nursing staff
- White light only for care and observation

Technische Daten | *Technical data*	ARDO Amelux
Ausstattung | *Equipment*	
Höhenverstellung | *Height adjustment*	ja | yes
Schwenkbare Strahlereinheit | *Swiveling light unit*	ja | yes
4 Blaulicht CFL | *4 blue light CFLs*	ja | yes
2 Weisslicht CFL | *2 white light CFLs*	ja | yes
6 Blaulicht CFL (anstatt Weisslicht) | *6 blue light CFLs (instead of white light)*	optional
LCD Display: Betriebs- und Therapiestunden | *Total run hour, Therapy timer*	ja | yes
Allgemeines | *Miscellaneous*	
Ø Gesamtbestrahlungsstärke E: 400<λ>550 nm) bei 350 mm Distanz | *Ø Total irradiance E: 400<λ>550 nm) from a distance of 350 mm*	6 Blaulicht CFL: | *6 blue light CFLs: 43 W/m²* 4 Blaulicht und 2 Weisslicht CFL: | *4 blue and 2 white light CFLs: 34,7 W/m²*
Spannung / Frequenz | *Mains voltage / Mains frequency*	230 VAC, 50 Hz
Nennstrom / Stromverbrauch | *Rated current / Power consumption*	1.95A, 108 Watts
Schutzklasse geerdet / Schutzgrad | *Protection class, grounded / Protection level*	Schutzklasse 1,B | *Protection class 1,B*
Abmessungen / Gewicht | *Dimensions / Weight*	
Höhenverstellung | *Height adjustment*	Von 1150 mm – 1600 mm ab Boden | *from 1150 mm to 1600 mm above floor level*
Masse Strahlereinheit | *Dimensions of light unit*	470 mm x 400 mm x 90 mm
Gewicht mit Rollgestell | *Weight including stand*	17.8 kg
Konformität | *Conformity*	**CE** 0123
Normen | *Standards*	In Übereinstimmung mit der Medizin Produkte Richtlinie *Complies with Medical Devices Guideline*