

ARDO Amelie and Amelie star

The New Generation of Intensive Care Incubators

New

- Reliable
- Innovative
- Safety
- User-Friendly

Reliability - Made in Switzerland

ARDO Amelie and Amelie star

- 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"

Innovative



The special developed "AIRstream" technology guarantees: Ideal, draft-free circulation and equal spreading of temperature

Safety



Safety: the intelligent ARDO sensor box builds the core piece of the monitoring- and regulation system

User-friendly



Everything under control: Well readable LCD display, clearly arranged and logical menu configuration, keylock option





Ideal adjustability: electrical height adjustment with handling from the front side and the back side (optional)



Quality up to the last detail: All tube grommets and gaskets made out of long-lasting, UV-resistant and sterile silicone



The fine difference: optimal isolation and reducing of steaming up due to triple wall technology

Optimal comfort due to individual choice of mode:



Trend-indication: Trends for all modes can be shown in a diagram

Air temperature mode: Easy air temperature regulation inside the incubator

Skin temperature mode: Regulation and monitoring of the patient's skin temperature. Two skin sensors (regulation and additional control)

Air humidity mode: Regulation of air humidity inside the incubator in air- and skin temperature mode (from 0-90%). Easy accessible water reservoir on the front side of the incubator. Indication on display if water level is low

Set value and actual value shown by all three modes. Deviation will be monitored

Oxygen mode: Amelie star: complete regulation and monitoring of oxygen concentration via display. Amelie: only monitoring possible via display (unregulated)

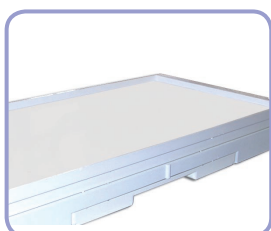
Weight mode (optional): Weighting of the patient inside the incubator with optional scale. Integrated controlling via display



Babies need warmth, comfort and care

The tried and tested ARDO neonatal care-systems contribute positively

Amelie accessories:



Scale



Monitor tray



Infusion rod



Compartment (left and right) with two drawers

Additional accessories: printer, pressure reducing accessorie, O2 tube, O2 flowmeter (for Amelie)

| Technical data | ARDO Amelie incubator | ARDO Amelie star incubator |
|---|--|--|
| Accessories Electrical height adjustment Compartment with two drawers left and/or right Scale Monitor tray Infusion road X-ray compartment / fitting rail Oxygen control Printer to RS232 interface | optional optional (load max. 4kg per drawer) optional optional (load 8kg max.) optional (load 2kg max.) yes Through additional Flowmeter & Analyzer optional | optional optional (load max. 4kg per drawer) optional optional (load 8kg max.) optional (load 2kg max.) yes integrated optional |
| Modes <u>Temperature:</u> Air temperature: Setting range / special setting range Skin temperature: Setting range / special setting range Pre-warming time / Temp. variability / Skin sensor accuracy Display resolution Trend display / Measuring rate for trend <u>Air humidity:</u> Water reservoir capacity / Operating time with 1l of water Setting range Display accuracy Display range / Display resolution Trend display / Measuring rate for trend <u>Oxygen servo control (Optional):</u> Setting range / Display accuracy Display range / Display resolution Trend display / Measuring rate for trend <u>Scale (optional):</u> Weight range / Display accuracy / Display resolution Trend display / Measuring rate for trend | 25.0 - 37.0°C / 37.0 - 39.0°C 34.0 - 37.0°C / 37.0 - 38.0°C <55 min / ≤0.5°C / ≤0.3°C 0.1°C 2, 4, 8, 12, 24 h / 1 min 1000ml / ≥12h at <60% RH 00 - 90%RH in steps of 1% ±6% RH (10 - 90% at 20 - 40°C) 0 - 99% RH / 1% 2, 4, 8, 12, 24h / 1 min - - - 100 - 8000g / ±10g / 1g 7days / 2 - 7weeks / 1h | 25.0 - 37.0°C / 37.0 - 39.0°C 34.0 - 37.0°C / 37.0 - 38.0°C <55 min / ≤0.5°C / ≤0.3°C 0.1°C 2, 4, 8, 12, 24 h / 1 min 1000ml / ≥12h at <60% RH 00 - 90%RH in steps of 1% ±6% RH (10 - 90% at 20 - 40°C) 0 - 99% RH / 1% 2, 4, 8, 12, 24h / 1 min 20 - 60% in 1% steps / ±3% 0 - 99% / 1% 2, 4, 8, 12, 24h / 1 min - - - 100 - 8000g / ±10g / 1g 7days / 2 - 7weeks / 1h |
| Alarms Alarms for control deviations: Skin control / Air control " " " " : Over temp. Skin control / Over temp. Air control " " " " : Humidity control / Oxygen control Alarms of the system Alarm messages of Sensors | ±1°C / ±3°C 40.0°C / 38°C at ≤37°C and 40°C at >37°C ±15% / ±5% Power failure, connection error, controller error, sensor error, motor error, heating error, sensor box error, sensor box out of position, battery error, keyboard error Temperature Deviation skin/air, over temp. skin/ air, error air- skin sensor 1, wrong placing of skin sensor 1 / control sensor, deviation air sensor, humidity, - O2 (Amelie star) error humidity sensor, humidity-heating, - O2 sensor, weight to high, connection scale, O2 sensors not the same (Amelie star) | |
| Hood Number of doors Number of arm access openings / tube grommets / Iris diaphragm Noise level (interior) Air velocity over lying surface / Carbon Dioxide concentration (CO2) | 2x 5x / 10x / 1x <45dBA ≤0.12m/s / ≤0.15% | |
| Installation Mains voltage / Mains frequency / Power consumption Operating temp. / operating humidity / Atmospheric pressure Storage temp. / storage humidity / Atmospheric pressure Connections at the incubator | 230VAC ± 10% / 50/60Hz / 1840VA 20°C - 30°C / 30% - 75% RH / 700 - 1060hPa (until 15 weeks) -20 - +55°C / ≤93% RH / 500 - 1060hPa Pow. supply, 3 additional sockets, RS232 interface, O2 connection, potential equalisation | |
| Dimensions / Weights Width / Depth Height fix / Height with electrical height adjustment Clearance between lying surface and hood Opening front- und back door [WxH] Height lying surface fix / Height l. surf. with electr. height adjustm. Lying surface (BxT) / inclination lying surface Weight / with electrical height adjustment | 106cm / 68cm 145cm / 140 - 165cm 42cm 85x34cm 103cm / 98 - 123cm 76x38cm / ±8° 90kg / 100kg | |
| Conformity | CE 0123 | |
| Standards | Complies with Medical Devices Guideline and the conformable Standards | |