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## TRANSPORT INFANT INCUBATOR TI - 401



The incubator provides the climatic condition (temperature, oxygen) suitable for the new-born baby life. The oxygen may be dosed from two 2.5 litre oxygen bottles placed in the lower part of the incubator. The unit is equipped with a reducing valve which may be removed to the second bottle when the first one is empty. The oxygen goes through a built-in flow meter, placed in the middle part, into the space of fan sucking. The air then circulates through the heating element and the patient space.

The permanent temperature is controlled by an electronic regulator according to the operator's requirements. This regulator controls the inside temperature according to the air temperature. The inside temperature is measured by a built-in thermometer and is displayed on the front control panel. There is an alcohol thermometer placed inside the patient space for informative temperature reading.

The important parameters of the incubator are guarded by an alarm circuit. Deviations of these parameters from the set limits is signalled by acoustic and optical signals. In case of larger defect the incubator is equipped with a circuit disconnecting the heating.

The operation of the alarm circuits at a power drop out is secured by a stand-by source. This source is automatically charged at the normal operation of the unit.



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## TECHNICAL PARAMETERS

Power voltage	mains: 230V ± 10%, 50/60 Hz external source: DC 12V 16A	
Power input	mains: max 380 VA external source: 195 VA	
Operating time with fully charged accumulators	min. 4 hrs depending on the set inside and outside temperature	
Accu charging time	approx. 15 hours	
Inside temperature range	28.0°C - 38,0°C stepless	
Temperature setting accuracy	±0.1°C	
Temperature maintaining accuracy (With out. temperature 20-30°C)	±0.3°C	
Lower and upper alarm limits	±1.0°C from the set temperature	
Warming-up period (acc.to IEC 601)	20 min.	
Temperature stabilization time	max 120 min (according to the set temp.)	
ALARM signals	<ul style="list-style-type: none"><li>- power failure</li><li>- drop of the air temp. under a set limit</li><li>- air temperature rise over a set limit</li><li>- fan defect</li><li>- sensor failure</li><li>- overheating</li><li>- heater disconnection</li><li>- power drop</li></ul>	
Alarm test	with a button	
Acoustic alarm breaker	button, (for approx. 5 minutes)	
Noisiness	complies with IEC 601 conditions max. 60 dB	
Dimensions:	height	1435 mm
	length	1050 mm
	width	560 mm
Weight	96 kg	
Humidity	The incubator is not equipped with a humidifier	
Max carbondioxide concentration	0.5%	