

Infusion Pump ARGUS 707 V and 708 V – Technical Data File



- Flexible application
- Intuitive to use
- Safe in every way
- Easily adaptable to therapeutic requirements



Infusion Pump ARGUS 707 V and 708 V

Technical data	Software 1.3X / *Software 4.3X*	Remarks
Performance Data		
Special application area	neonatal care, blood transfusion, nutrition	
Infusion rate	0.1 – 999.9 ml/h	in 0.1 ml/h steps
Infusion volume (VTBI)	0.1 – 999.9 ml (plus 1000 – 9999 ml)	in 0.1 ml steps (in 1.0 ml steps)
Infusion time	1 min – 99 h 59 min	in 1 min steps
Programming	rate in ml/h and volume in ml	
Automatic rate calculation	on total volume + time	total volume in ml, time in hours and minutes
Bolus Function	manual or automatic function	
Bolus rate	0.1 – 1200 ml/h	no flow interruption
Bolus volume	0.1 – 999 ml	no flow interruption
Set fill (prime) rate	0.1 – 999 ml/h	
Accuracy	± 5% depending on IV set	technical deviation < 1%
KVO - Keep Vein Open rate	0.1 – 3.0 ml/h	depending on flow rate; deactivation possible
Occlusion pressure	100 – 1000 mbar (mmHg, kPa, cmH2O, Psi)	10 adjustable steps, no flow interruption
History and Interface		
History	200 events saved in real time	no additional software required
	400 events saved in real time	*graphic illustration with ARGUS service software*
Nurse call	connectable to a staff alerting system	24 V / 0.2 A; static or dynamic; potential free change over contact
RS-232 Interface	option: galvanic isolated	connectable to Patient Data Management Systems (PDMS)
Operation		
Display	two big 4-digit LED displays	plus pictograms with LED and LED bar graph; adjustable brightness
Control Panel	4 numeric and 4 function keys	
Menu configurations	manually or by PC	customized configuration on request
	by PC only	*easy to use software tool ARGUS service*
Data-lock	all keys are lockable	
IV-Sets	version A707 V: all leading brands	configuration of four different sets
	version 708 V: dedicated Codan set	set with integrated Anti-Free-Flow system
Safety		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Air Bubble Detector	single air bubbles accumulated air bubbles	adjustable between 50 – 1000 µl adjustable between 100 – 2000 µl within 8 – 64 min.
Drop Detector	10 – 65 drops / ml	adjustable, plus for transport use
Alarms	audible and visual	see list below; adjustable volume
Medication library	*160 pre-programmed plus 32 user specific*	*listed and displayed*
Power Supply		
Battery	NiMH	maintenance free
Battery operation	5 h @ 25 ml/h	
Battery charge time	16 h	
Mains power supply	230 VAC ±10%, 50 – 60 Hz ;	option: 115 VAC ±10%, 50 – 60 Hz
External power supply	20 VDC / 0.3 A	
Power consumption	12 VA maximum	
Product Specification		
Dimensions	190 x 160 x 130 mm (W x H x D)	excluding clamp
Housing	ASA	high performance plastic
Operating temperature	5° – 40° C	
Medication temperature	18° – 30° C	
Relative humidity	20 – 90% no condensation	
Weight with battery	2.0 kg	
Conformity		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	II	
Applied part	Type CF	
MDD classification	IIb	
Regulations + Electrical Safety	EN 60601 (-1-1 / -1-4 / -2-24)	
Electromagnetic compatibility	EN 61000-3 (-2 / -3), EN60601-1-2	
Certification	CE0120, ISO 13485, ISO 9001	
Optional Accessories		
Docking Stations	A100 for 3 infusion or A60 for 2 infusion pumps (plus combinations with syringe pumps)	version M: interface for barcode, staff alert and data transfer version P: power supply only
Fixation systems	multifunctional clamps	to be used on ceiling pole or standard rail systems
IV-Stand	two pole system with extra stability	allows mounting of one A100 and one A60 docking station
Barcoding	barcode reader and label software	to be used with docking stations A100 M or A60 M
Software	ARGUS fluid	fluid management system

Alarms and pre-alarms: audible and visual

occlusion upstream - downstream / air bubble / drops missing /
too many drops / container empty / end of infusion / stand-by /
low battery – empty battery / service / technical failure

Display

flow rate / infused volume / volume to be infused /
volume balance / infusion time / remaining time /
pressure bar graph / battery capacity / occlusion level /
medication name

A707 V: Ref.No. 18.1110 (230 VAC) / 18.1111 (115 VAC)

A708 V: Ref.No. 19.1110 (230 VAC) / 19.1111 (115 VAC)

Marketed by

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