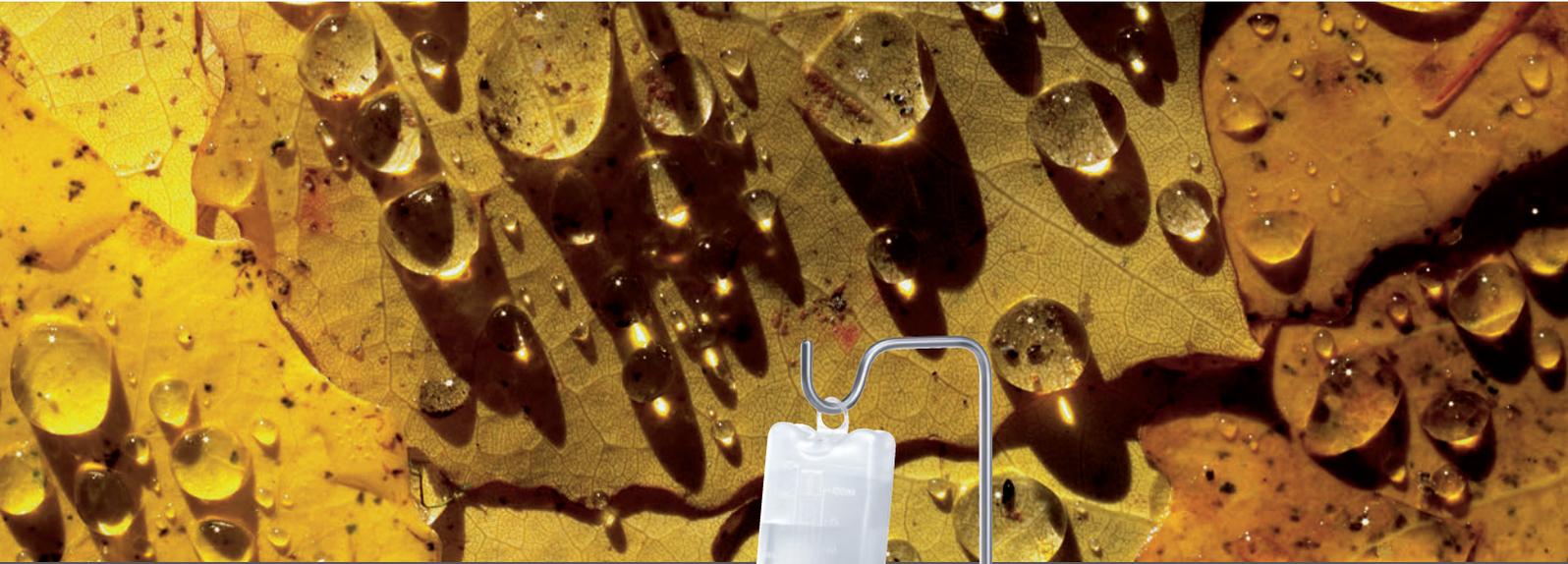


ARGUS 707V/708V volumetric infusion pump – fact sheet

EN



Firmware 4.5X



Technical data	Software 4.5X	Remarks
Performance data		
Applications	standard care, neonatal care, cytostatic drugs, nutrient solutions, blood transfusions	
Dosage units	ml	
Flow rate	0.1–999.9 ml/h	in steps of 0.1 ml/h
Infusion volume	0.1–999.9 ml / 1'000 - 9'999ml	in steps of 0.1 ml / in steps of 1.0 ml
Infusion time	1 min–99 h 59 min	in steps of 1 min
Programming	Rate in ml/h, volume in ml, duration in h and min on the basis of volume and time	
Automatic rate calculation	manually or automatically	Rate in ml/h, volume in ml, duration of infusion in h and min
Bolus administration		
Bolus rate	0.1–1'200 ml/h	without interruption of infusion
bolus volume	0.1–999 ml	without interruption of infusion
Purging of the infusion line	0.1–999 ml/h	
Precision	±5%, depending on the infusions set	technical deviation less than 1%
KVO 'keep vein open' rate	0.1–3.0 ml/h	depending on flow rate; deactivation possible
Standby	2min - 99:59 h:min	
History and Interface		
History and Event Log	400 events in real time	graphic illustration with ARGUSservice
Nurse call	Connection to the central system	24 V / 0.2 A, configurable pulse, potential-free
RS-232 interface	Connection to a medical PC	electrically isolated
Operation		
Display type	two large LED displays with up to 4 digits	plus LED pictograms, adjustable brightness
Display contents	flow rate, infused volume, total volume, volume balance, infusion time, pressure bar paragraph, battery capacity, pressure level, etc.	
Menu Overview	4 numeric key and 4 function keys	
Menu configuration	by means of ARGUSservice software / temporary settings by operator	client-specific configuration possible
Infusion lines	CODAN standard- and cyto-sets, plus other validated makes A708V: CODAN IVP © dedicated set	Hose materials: PVC, PVC-free, NoDEHP / display of the make with anti-free-flow-clamp
Safety		
Pressure decrease	automatic pressure decrease after occlusion	
Air bubble detection	individual air bubbles accumulated air bubbles	configurable from 50 to 1000 µl configurable from 100 to 2,000 µl within 8–64 min. with transport mode
Drop detector	10–65 drops /ml	with text explanation and symbols; large alarm window
Alarms, pre-alarms	visual and audible signals for rapid detection	
Alarm types	occlusion (up- and downstream), air bubbles, no drops and too many drops, end of infusion, standby, low battery, end of battery infusion, maintenance due, etc.	
Key lock	for all keys	
Pressure limit for occlusion	100–1,000 mbar (display also in mmHg, kPa, cmH2O, Psi)	in steps of 100
DERS: Medication database	169 pre-programmed medications / 32 user specific	on display
Power supply		
Battery	NiMH	maintenance-free
battery operation	5 hours at 25 ml/h	
battery charging time	16 hours	
mains power supply	230 VAC +/- 10%, 50–60 Hz	Option: 115 VAC +/- 10%, 50–60 Hz
External power supply	18–20 VDC / 0.3 A	
Power consumption	12 VA maximum	
Product Specification		
Dimensions	190 x 160 x 130 mm (W x L x D)	without combination clip
Housing	ASA high performance plastic	
Operating-/ medication temperature	5–40 °C / 18 - 30°C	
Temperature for storage and transport	0–40 °C	
Relative humidity	20–90 % without condensation	
Weight with battery	2.0 kg	including battery and power supply unit
Maintenance	safety inspection every 24 months	or after 10'000 operating hours
Compliance		
IP protection class	IP22	Drop-protected in a horizontal position up to ± 15° inclination
Protection class	(level of protection against electric shock)	
MDD classification	IIb	
Regulation and Electrical Safety	EN 60601-1-1, EN 60601-1-4, EN 60601-2-24	
Electromagnetic compatibility	EN 61000-3 (-2/-3), EN 60601-1-2	
Certification CODAN Argus AG	ISO 13485, ISO 9001	
Certification Pump	CE 0120	directive 93/42/EEC
Accessories		
Docking stations	ARGUS docking stations in 3 sizes for different combinations	Version M: Monitoring (PDMS link), Version P: Power supply
Attachment system	Combination clip	suitable for pole- and rail systems
Software	ARGUSservice	program for simple maintenance and configuration