

# Fact Sheet

CODAN ARGUS 717V / 718V - Volumetric Infusion Pump

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Firmware from 5.0X



Technical Data	Software 5.0X	Remarks
<b>Performance Data</b>		
Applications	intensive care, anesthesia, standard care, oncology, blood transfusion, parenteral nutrition, neonatal care	dose calculation, TIVA
Dosing units	g, mg, µg, ng, IU, mmol	per hour, minute, kilogram, day
Flow rate	0.1 – 1'200 ml/h	steps of 0.1 ml/h, modification without infusion interruption
Infusion volume	0.1 – 999.9 ml / 1'000 – 9'999 ml	steps of 0.1 ml / steps of 1.0 ml
Infusion time	1 min – 99 h 59 min	steps of 1 min
Programming	rate in ml/h, volume in ml, duration in h and min on the basis of volume and time	rate in ml/h, volume in ml, infusion duration in h and min
Automatic rate calculation	manually or automatically	with / without dose limit, limits via ARGUSmedDB
Bolus administration	0.1 – 1'200 ml/h	without infusion interruption
Bolus rate	0.1 – 999 ml	without infusion interruption
Bolus volume	0.1 – 1'200 ml/h	
Purging of the infusion line	±5%, depending on the used, supported infusion set	under normal conditions according to IEC/EN 60601-2-24, technical deviation < ±1%
Accuracy		depending on flow rate, deactivation possible
KVO (Keep Vein Open) rate	0.1 – 10.0 ml/h	
Standby mode	1 – 60 min	
<b>History and Interface</b>		
History and event log	up to 1'000 events	with time stamp
Nurse call	connection to the central system	24 V / 0.2 A, configurable pulse, potential-free
RS-232 interface		electrically isolated, connectable to PDMS (Patient Data Management System)
<b>Operation</b>		
Display type	monochrome LCD, 98.4 x 26.2 mm, 240 x 64 pixel	illuminated, adjustable brightness
Display contents	flow rate in units and ml/h, infused volume, target volume (VTBI), infusion time, remaining infusion time, battery capacity, pressure level, medication name and setup, bolus delivery and information menu etc.	
Menu overview	intuitive and configurable for specific applications	display text in national language, overview of infusion data
Menu configuration	by means of ARGUSservice software / temporary settings by operator	client-specific configuration possible
Infusion lines	CODAN standard- and cyto-sets and other validated sets  A718V: CODAN IVP® dedicated set	tube materials: PVC, PVC-free, NoDEHP / display of the set name  with anti-freeflow-clamp
<b>Safety</b>		
Pressure release	automatic pressure release after occlusion	
Air bubble detection	individual air bubbles accumulated air bubbles	configurable from 50 – 1'000 µl configurable from 100 – 2'000 µl within 8 – 64 min
Drop detector	10 – 65 drops/ml	in transport mode alarm is less sensitive
Alarms, pre-alarms	visual and audible signals for rapid detection	with text explanation and symbols, large alarm window
Alarm types	occlusion (up- and downstream), air bubbles, no drops and too many drops, end of infusion, standby, low battery, end of battery, maintenance due etc.	
Key lock	activation / deactivation via numerical code	10 configurable steps
Pressure limit for occlusion	100 – 1'000 mbar (also in mmHg, kPa, cmH2O, Psi)	see ARGUSmedDB fact sheet and instruction
DERs: Medication database (Dose Error Reduction System)	256 medications for download	
<b>Power Supply</b>		
Battery	1'800 mAh, NiMH	maintenance-free
Battery operation	6 hours at 25 ml/h	
Battery charging time	9 hours	in standby mode
Mains power supply	230 VAC ±10%, 50 – 60 Hz	option: 115 VAC ±10%, 50 – 60 Hz
Power consumption	12 VA maximum	
<b>Product Specification</b>		
Dimensions	190 x 160 x 130 mm (W x L x D)	without combination clamp
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 standard check (SSC): every 24 months	or after 10'000 operating hours
<b>Compliance</b>		
IP protection class	IP22	drop-protected in horizontal position up to ±15° inclination
Protection class	II	electric shock protection according to IEC 61140
Applied part type	CF	according to EN 60601-1
MDD classification	IIb	
Electrical safety	EN 60601-1, EN 60601-1-4, EN 60601-2-24	
Electromagnetic compatibility	EN 60601-1-2	
Certification CODAN ARGUS AG	ISO 13485, ISO 9001	
Device CE mark	CE 0120	according to directive 93/42/EEC
<b>Accessories</b>		
Docking stations	ARGUS docking stations in 3 sizes for different combinations	version M: monitoring (PDMS link) + power supply
Attachment system	combination clamp	version P : only power supply
Software	ARGUSservice ARGUSmedDB	suitable for pole- and rail systems program for simple maintenance and configuration database for medications with ARGUSrails