

CODAN Volumetric Infusion Pumps

A717V, A718V



Fact Sheet

Version Mar 2019

en



Technical Data	Description	Remarks
Performance Data		
Dosing units	g, mg, µg, ng, IU, mmol	Per hour, minute, kilogram, day
Flow rate	0.1 to 1'200 ml/h	Steps of 0.1 ml/h from 0.1 to 999.9 ml/h rates, steps of 1 ml/h from 1'000 to 1'200 ml/h rate.
Infusion volume	0.1 to 999.9 ml/1'000 to 9'999 ml	Steps of 0.1ml from 0.1 to 999.9 ml volume/steps of 1 ml from 1'000 to 9'999 ml volume.
Infusion time	1 min to 99 h 59 min	Steps of 1 min
Programming	Rate in ml/h, volume in ml, duration in h and min	
Automatic rate calculation	On the basis of volume and time	Rate in ml/h volume in ml, infusion duration in h and min
Bolus administration	Manually or automatically	With/without dose limit, limits via ARGUSmedDB
Bolus rate	0.1 to 1'200 ml/h	Without infusion interruption
Bolus volume	0.1 to 999 ml	Without infusion interruption
Purging of the infusion line	0.1 to 1'200 ml/h	
Accuracy of delivery rate	±5%	Under normal conditions according to IEC/EN 60601-2-24
Keep Vein Open (KVO) rate	0.1 to 10.0 ml/h	Qualified administration sets (list included with the product)
Standby mode	1 to 60 min	Depending on infusion rate; deactivation possible
History and Interface		
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	Configuration interface	For use with ARGUSservice
Communication interface	Connection to docking stations	Via docking stations, connection to Ethernet is possible (i.e. PDMS)
Operation		
Applications	Intensive care, anesthesia, standard care, oncology, blood transfusion, parenteral nutrition, neonatal care	Dose calculation
Display type	Monochrome LCD, 98.4 x 26.2 mm, 240 x 64 pixel	Illuminated, adjustable brightness
Night Mode	A feature to automatically dim the brightness of the device backlight and front panel LEDs.	
Display contents	Infusion rate in units and ml/h infused & target volume (VTBI), infused & remaining time, medication setup, bolus info, battery capacity, pressure level, and other menus.	
Menu overview	Intuitive and configurable for specific applications	Available in other languages, an overview of infusion data
Menu configuration	ARGUSservice software/temporary settings by operator	Client-specific configuration possible
Infusion lines	CODAN standard- and cyto-sets and other validated sets A718V: CODAN IVIP® dedicated set	Tube materials: PVC, PVC-free, No DEHP/display of the set name With anti-free-flow clamp
Safety		
Pressure release	Automatic pressure release after occlusion	Configurable
Air bubble detection	Individual air bubbles accumulated air bubbles	Configurable from 50 to 1'000 µl Configurable from 100 to 2'000 µl within 8 to 64 min
Drop detector	10 to 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	
Pressure limit for occlusion	100 to 1'200 mbar (also in mmHg, kPa, cmH ₂ O, Psi)	Configurable steps
DERS: Medication database, and Barcode Assisted Infusion (BAI)	On request	BAI with E-VTBI & Rinsing modes.
Power Supply		
Battery	1'800 mAh, NiMH	Maintenance-free
Battery operation	6 hours at 25 ml/h	
Battery charging time	6 hours in standby mode	At room temperature
Mains power supply	100 to 240 V, 25 VA, 50 - 60 Hz	
Product Specification		
Dimensions	190 x 160 x 130 mm (W x L x D)	Without combination clamp
Housing	ASA high-performance plastic	
Operating/medication temperature	5°C to 40°C/18°C to 30°C	
Temperature for storage	0°C to 40°C	
Temperature for transport	-20°C to 60°C	
Relative humidity	20% to 90% without condensation	
Atmospheric pressure	Operation: 750 to 1'060 mbar Storage and transport: 500 to 1'060 mbar	
Weight with battery	1.78 kg	Including battery and power supply unit
Maintenance	Safety Standard Check (SSC): every 24 months	Or after 10'000 operating hours
Compliance		
IP Code	IP22	Protected against ingress of solid foreign objects with a diameter of ≥ 12,5 mm, and ingress of water in a position with 15° inclination.
Frequency band 2.4 GHz		
Protection class	II	Electric shock protection according to IEC 60601-1
Applied part type	CF	According to EN 60601-1
MDD classification	IIb	
Electrical safety	EN 60601-1, EN 60601-2-24	
Electromagnetic compatibility	EN 60601-1-2	
Usability	EN 60601-1-6, EN 62366	
Alarm systems	EN 60601-1-8	
SW lifecycle	EN 62304	
Accessories		
Docking stations	CODAN docking stations in 3 sizes for different combinations	Version M: PDMS link + power supply Version P: only power supply
Attachment system	Combination clamp	Suitable for pole- and rail systems
Software	ARGUSservice	Program for simple maintenance and configuration
SIMPLIFIED EU DECLARATION OF CONFORMITY		
Hereby, CODAN ARGUS AG (Baar) declares that the radio equipment type A717V/A718V is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at www.codanargus.com		



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The decisive connection

