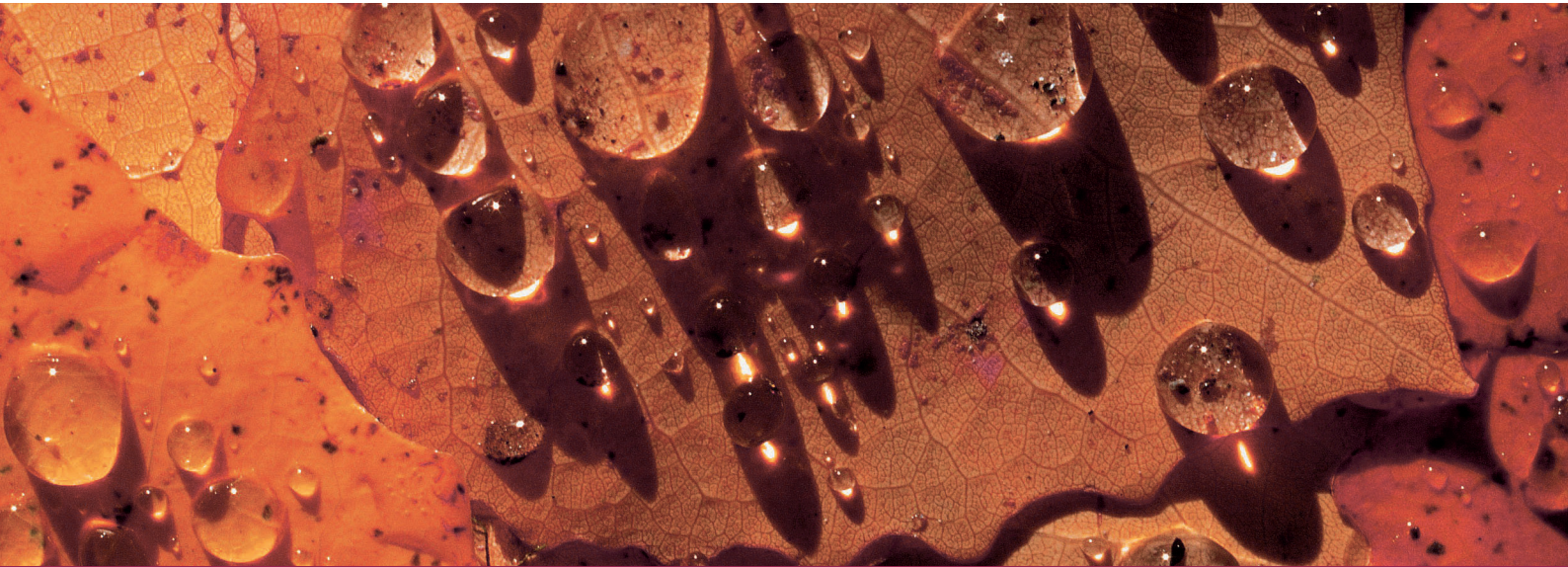


# Fact Sheet

Syringe Pump

ARGUS 606 S

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Firmware from 4.7X



Technical Data	Software from 4.7x	Remarks
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Performance Data		
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Applications	intensive care, anaesthesia, standard care	basic use, TIVA, dose calculation
Dosing units	g, mg, ug, ng, IU, mmol	per hour, minute, day, kilogramme
Flow rate	0.1 – 1,100 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	
Automatic rate calculation	on the basis of volume and time	rate in ml/h, volume in ml, duration of infusion in h and min
Bolus administration	manual or automatic	
Bolus rate	0.1 – 1'100 ml/h	without infusion interruption
Bolus volume	0.1 – 50 ml	depending on syringe size
Purging of the infusion line	0.1 – 1'100 ml/h	depending on syringe size
Accuracy	±2% (at ≥ 1 ml/h) depending on the syringe	under normal conditions according to IEC 60601-2-24, only qualified syringes (list on request), technical deviation < ±1%
KVO (Keep Vein Open) rate	0.1 – 5.0 ml/h	configurable, deactivation depending on medication
Standby mode	1 – 60 min	deactivation possible before 1 <sup>st</sup> infusion start

History and Interface		
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History and event log	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	connection to a medical PC or PDMS	connectable to a PDMS (Patient Data Management System)
Ethernet	optional, connection to a PDMS	connectable to a PDMS (Patient Data Management System)

Operation		
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Display type	monochrome LCD, 98.4 x 26.2 mm, 240 x 64 Pixel	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, text and symbols for alarms and pre-alarms, medication name and medication 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
Syringes	10 – 50 ml	automatic recognition, permanent display of the set name

Safety		
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Pressure release	automatic pressure release after occlusion	
Alarms, pre-alarms	visual and audible signals for rapid detection	
Alarm types	syringe position, empty syringe, pressure too high, empty battery, syringe or battery almost empty, standby, limit exceeded etc.	
Key lock	activation / deactivation via numerical code	or dose-function limit via ARGUSmedDB
Pressure limit for occlusion	200 – 1'200 mbar	steps of 100
DERS: Medication database (Dose Error Reduction System)	on request	on request

Power Supply		
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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
External power supply	24 VDC	
Power consumption	12 VA maximum	

Product Specification		
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Dimensions	320 x 100 x 180 mm (W x L x D)	without combination clamp
Housing	ASA high performance plastic	incl. clamp for pole fixation, expandable for rails
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	2.2 kg	including power supply unit
Maintenance	safety standard check (SSC): every 24 months	or after 10'000 operating hours

Compliance		
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IP protection class	IPX2	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 0123	according to directive 93/42/EEC

Accessories		
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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	suitable for pole- and rail systems program for simple maintenance and configuration