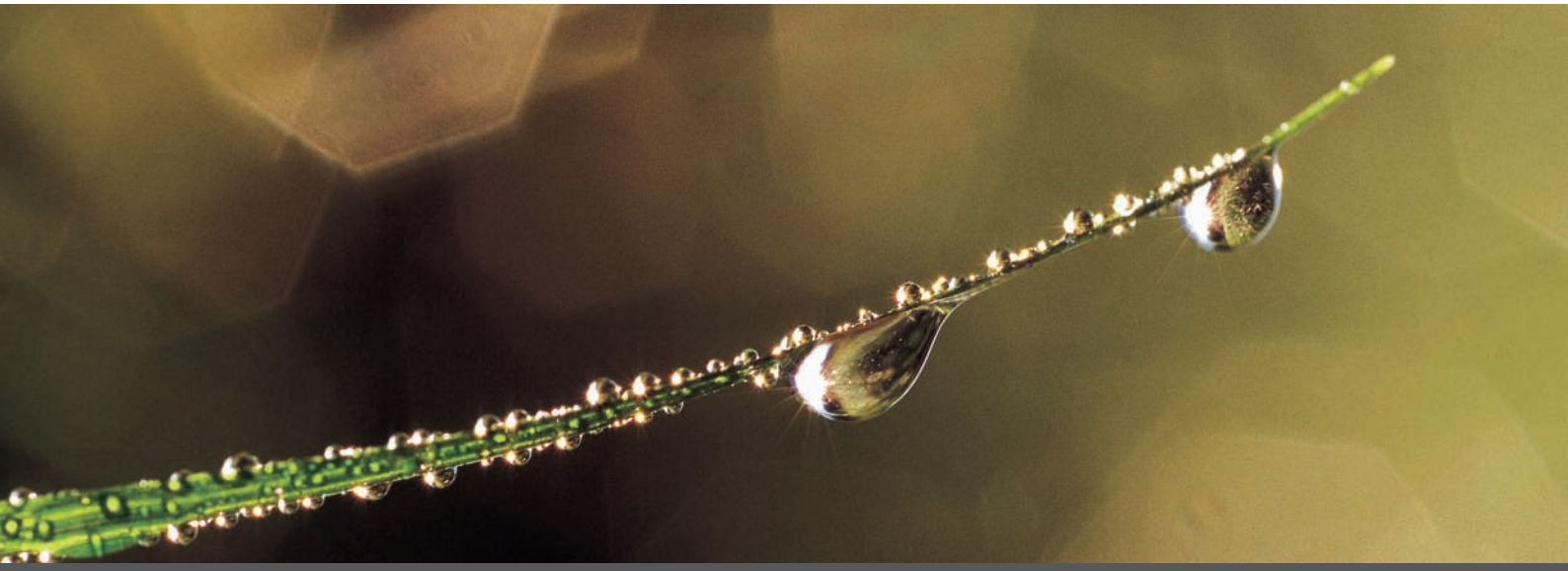


Syringe Pump ARGUS 600 S – Technical Data File



- Open System
- Ready for immediate use
- Flexible and versatile
- Easily adaptable to therapeutic requirements



Syringe Pump ARGUS 600 S

Technical data	Software 3.0X / *Software 4.3X*	Remarks
Performance Data		
Special application area	neonatal and paediatric care	
Infusion rate	0.1 – 999.9 ml/h	in 0.1 ml/h steps
Infusion volume (VTBI)	0.1 – 999.9 ml	in 0.1 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	
Bolus rate	0.1 – 999.9 ml/h	no flow interruption
Bolus volume	0.1 – 25 ml	depending on syringe size; no flow interruption
Set fill (prime) rate	0.1 – 999.9 ml/h	depending on syringe size
Accuracy	± 2% depending on syringe type	technical deviation < 1%
KVO - Keep Vein Open rate	0.1 – 2.0 ml/h	depending on flow rate; deactivation possible
Occlusion pressure limit	200 – 1200 mbar (mmHg, kPa, cmH2O, Psi)	11 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	
Syringes	all leading brands in sizes of 10 – 50/60 ml	configurable user syringes
Safety		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Alarms	audible and visual	see list below; adjustable volume
Medication library	75 pre-programmed plus 16 user specific *75 pre-programmed plus 32 user specific*	listed and displayed
Power Supply		
Battery	sealed lead-acid	maintenance free
Battery operation	2 h @ 5 ml/h	option: high energy battery 8 h @ 5 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	12 – 20 VDC / 0.3 A @ 20 VDC	
Power consumption	9 VA maximum	
Product Specification		
Dimensions	320 x 100 x 180 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	2.6 kg	3.2 kg with high energy battery
Conformity		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	I	
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 5 syringe or A60 for 3 syringe pumps (plus combinations with infusion 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 / syringe near empty – syringe empty /
syringe size – syringe positioning / 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 / battery capacity / occlusion level /
syringe type / medication name / pressure bar graph

Ref.No. 15.0000 (230 VAC)

Ref.No. 15.1000 (115 VAC)

Ref.No. 15.0100 (230 VAC with high energy battery)

Ref.No. 15.1100 (115 VAC with high energy battery)

Marketed by

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