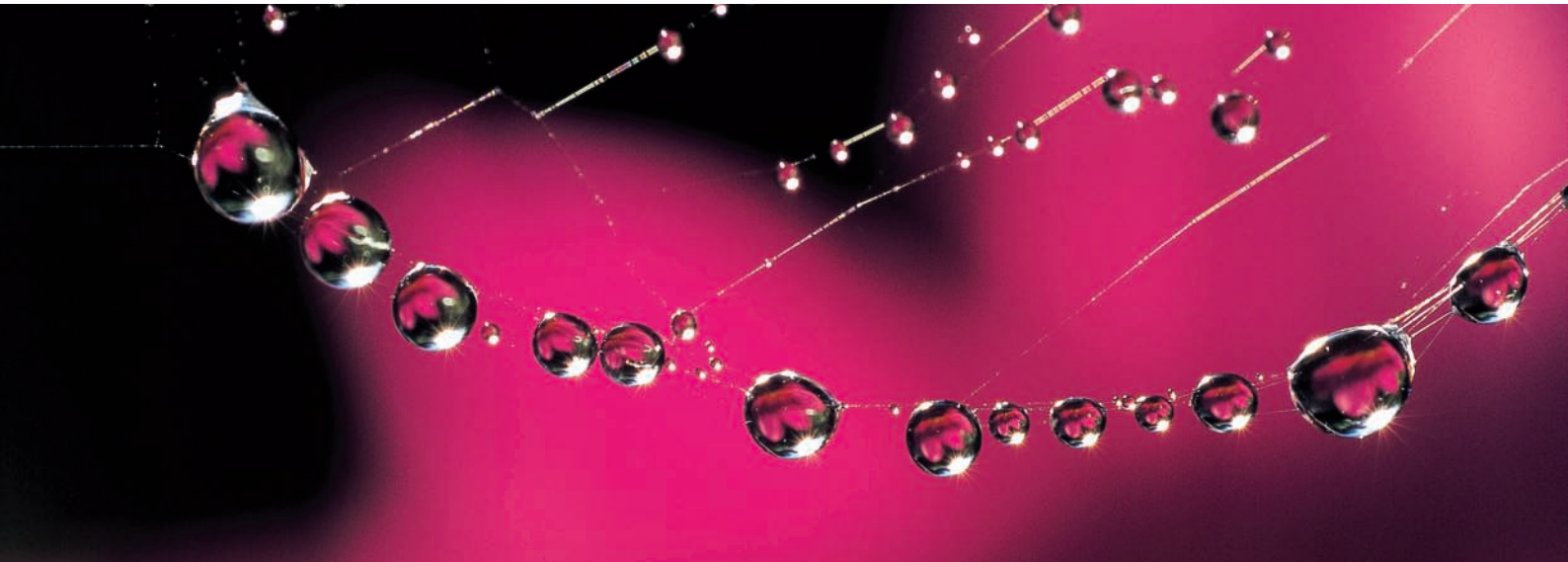


## Syringe Pump ARGUS 606 S – Technical Data File



One device for multiple applications  
Dose calculation and TIVA  
Medication database for extra safety



# Syringe Pump A606 S

Technical data		Remarks
<b>Performance Data</b>		
Application area	standard and intensive care, anaesthesia	TIVA, medication dose calculator, medication data bank
Dose units	g, mg, µg, ng	per h, min, kg
Infusion rate range	0.1 – 1'100 ml/h	in steps of 0.1 ml/h
Infusion volume (VTBI)	0.1 – 999.9 ml	in steps of 0.1 ml
Infusion time	1 min – 99 h 59 min	in steps of 1 min
Bolus function	manual or automatic	customizable default values and ARGUSrails
Bolus rate	0.1 – 1'100 ml/h	no flow interruption;
Bolus volume	0.1 – 50 ml	depending on syringe size; no flow interruption
Set fill (prime) rate	0.1 – 1'100 ml/h	depending on syringe size
Accuracy	± 2 %	deviations dependent on syringe type
KVO - Keep Vein Open rate	0.1 – 5.0 ml/h	configurable dependent on flow rate range; deactivation possible
<b>History and Interface</b>		
History	1000 events graphically illustrated	extendible by software
Interface	RS-232 (optional: galvanic isolated); Ethernet on request	connectable to Patient Data Management Systems (PDMS)
Nurse call	connectable to a staff alerting system	24 V / 0.2 A; static or dynamic; potential free change over contact
<b>Operation</b>		
Display	graphic LC display size 100 x 29 mm; pixels 240x64	lightened, automatic dim out, configurable brightness
Menu navigation	intuitive operation	country-specific plaintext; infusion data overview
Menu configuration	ARGUSservice software tool	customized configuration on request
Syringes	all leading brands in sizes of 10 – 50/60 ml	permanently displayed; configurable user syringes
<b>Safety</b>		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Alarms	audible and visual	plaintext and graphically illustrated; see list below
Data-lock	lock of key pad via numerical code	
Occlusion pressure limit	200 – 1200 mbar (mmHg, kPa, cmH2O, Psi)	11 adjustable steps, no flow interruption
Dose error reduction	medication database: 256 medications selectable for download to pump	recording of dose units, default values, ARGUSrails (soft and hard), bolus settings, technical values
<b>Power Supply</b>		
Battery	NiMH	maintenance free
Battery operation	9 h @ 5 ml/h	
Battery charge time	6 h at stand by	without connected interface board
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 @ 20 VDC	
Power consumption	12 VA maximum	
<b>Product Specification</b>		
Dimensions	320 x 100 x 180 mm (W x H x D)	excluding clamp
Housing	ASA	high performance plastic
Operating temperature	5° – 40° C	
Relative humidity	20 – 90% no condensation	
Weight with battery	2.2 kg	
Maintenance	safety inspection every 24 months	
<b>Conformity</b>		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	II	
Applied part	Type CF	
MDD classification	IIb	
Regulations + Electrical Safety	EN 60601 (-1-1 / -1-4 / -1-6 / -2-24)	
Electromagnetic compatibility	EN 61000-3 (-2 / -3), EN60601-1-2	
Certification	CE 0120	CODAN ARGUS AG: ISO 9001, ISO 13485, Directive 93/42/EEC
<b>Optional Accessories</b>		
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 tools	ARGUSservice ARGUSmedb	configuration program and toolbox Medication database including ARGUSrails

## Alarms and pre-alarms:

### audible and visual, graphically illustrated, plaintext

occlusion / syringe near empty – empty syringe / pump unused /  
syringe size – syringe positioning / end of infusion – infusion ends soon /  
low battery – end of battery / entry errors / service / technical failure

### Graphic LC display

flow rate / infused volume / volume to be infused / volume balance /  
infusion time / remaining time / infusion data at a glance /  
battery capacity / occlusion level / syringe type / medication name - units /  
pressure bar graph / battery – mains operation / TIVA status

Ref.No. 16.0000 (Standard 230 VAC)

Ref.No. 16.0010 (TIVA 230 VAC)

Ref.No. 16.1000 (Standard 115 VAC)

Ref.No. 16.1010 (TIVA 115 VAC)