

# The universal syringe pump for all cases

# Aitecs 2016

- Intensive care medicine
- Anesthesia (TIVA)
- Neonatology Obstetrics
- (bolustocolysis)
- Emergency medicine & rescueservices



- Variable switch-off pressure from 50 to 950 mmHg and quick detection of non-physiological system pressure changes
- Intuitive use through combination of numeric and function keys
- Long battery life
- Extensive drug database
- Application-specific configuration: Unnecessary functions and displays can be deactivated/hidden or permanently preset
- Delivery rate 0.01 - 2,200 ml/h
- Syringes from 2ml to 60ml of almost all makes can be used

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## Universal Syringe Pump for use in clinics and emergency services



The Aitecs 2016 syringe pump safely, reliably and flexibly meets the needs of all areas of application.

The syringe pump is extremely versatile and can be used for both newborns and adults in clinical and preclinical settings.



### Specifications

Flow rate:	0.01 - 99.99 ml/h in 0.01 ml/h increments, 100.0 - 999.9 ml/h in 0.1 ml/h increments, 1000 - 2200 ml/h in 1 ml/h increments
Mechanical accuracy:	± 1%
Volumetric accuracy:	± 2% or ± 0.1 ml/h (whichever is greater)
Compatible syringes, ml:	2/3, 5, 10, 20, 30 and 50/60 from almost all manufacturers
Occlusion-Pressure (variable):	L1 (approx. 50 mmHg) - L10 (approx. 950 mmHg)
Dose-Units:	g, mg, mcg, ng, units, kUnits, mUnits, mcUnits, mol, mmol, mcmol, mEq, and others (individually programmable)
Bolus-Rate:	1 - 2200 ml/h in 0.1 ml/h increments
Bolus-Volume:	0.1 - 60.0 ml in 0.1 ml increments
Bolus-Pause-Duration (variable):	1 to 300 min in 1 min increments (intermittent mode e.g. for b1olustolysis)
Keep Vein Open (KVO) Rate	0.1 ml/h - 5 ml/h
KVO Volume:	0.1 % - 10% of the syringe volume
Specified volume to be infused (VTBI):	0.1 - 99.9 ml in steps of 0.01 ml; 100 - 999 ml in 0.1 ml increments; 1000 - 9999 ml in 1 ml increments or unlimited volume
Post VTBI Rate:	Stop, KVO, or continue at entered rate
Standby-Time:	1 min - 24 h
Alarms:	visual and acoustic
Interfaces:	USB (peripheral), IrDA (IR Comm-Port), Nurse call optional
Fixation:	As a stand-alone table device, with universal screw clamp, on standard rails, in an organization system, with vehicle holder
Power supply:	100 - 240 VAC, 50/60 Hz, 50 VA, 12V On-board power supply and internal rechargeable battery
Battery-Type:	Internal battery NiMH 7.2 V / 2.5 Ah
Battery-Running-Time:	10 h @ 5 ml/h
Battery-Charging-Time:	5 hours until 100% charged
Protection-Class:	Class II, defibrillation protected, type CF, IPX1
CE0408 certified:	CE0408 (Council Directive 93/42/EEC)
Electrical safety and electro-magnetic Compatibility:	IEC 60601 - (1, 1-1, 1-2, 1-4, 1-8, 2-24)
Weight:	2.3 kg
Dimensions:	120 x 320 x 137 mm

### Accessories

Organization-System:	Central power supply: IDR 16-03/06/08 including communication connection: IDS (03-08)
Attachment:	Tripod-clamp
Vehicle-Holder:	according to EN 1789 for RTW/NAW
Software-Tools:	AIMS 16 Infusions-Monitoring-System