MEDIAID

MODEL AP12

Single - Syringe Pump

Key Features

- User friendly software simplifes set-up and operation

- Wide range of infusion rate

- Over 40 types of compatible syringes (10-60 ml)

- Automatic & manual bolus capability

- Automatic reduction of residual bolus after occlusion release

- Easy modication of infusion parameters in running course

- Comprehensive system of audible and visual alarms & warnings

- Drug library with user selectable drug names

- 4 modes of operation: flow rate, flow rate and volume, flow rate and time, volume over time

- Data lock with software-controlled passkey system

- Long battery life

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Performance:

Flow rate range:	0.1 - 500ml/h for 50 ml syringe 0.1 - 300ml/h for 30 ml syringe 0.1 - 250ml/h for 20 ml syringe 0.1 - 150ml/h for 10 ml syringe (0.1 - 99.9 ml/h in 0.1 ml/h steps, 100-500 ml/h in 1 ml/h steps)
Volume to be infused	0.1 – 1000 ml (0.1 – 99.9 ml in 0.1 ml steps, 100-1000 ml in 1 ml steps
Maximum bolus rate	2000 ml/h for 50 ml syringe 1200 ml/h for 30 ml syringe 1000 ml/h for 20 ml syringe 600 ml/h for 10 ml syringe
Bolus dose/Induction dose	limited to syringe size
Infusion time selection	up to 100 h
KVO rate	0.1 to 5 ml/h, programmable in 0.1 ml/h steps
Flow rate accuracy	$\pm$ 2% (complies with EN 60601-2-24)
Occlusion pressure limit	4 – level selection High - 120kPa $\pm$ 30 Medium - 90kPa $\pm$ 20 Low - 60kPa $\pm$ 20 Minimum - 40kPa $\pm$ 10
Compatible syringes	10, 20,30 and 50/60 ml
Syringe brands	B.BRAUN, BD, MONOJECT, CODAN, TERUMO, IVAC, INJECTOMAT, PENTAFERTE and other (see operating manual)
Extended system of Alarms & warnings (Both audible & visual)	Alarms: no. syringe, wrong syringe, empty syringe, end of infusion, occlusion, no mains, discharged battery, internal malfunction. Pre alarms: 5 minutes left to the end of infusion or till the syringe gets empty, low battery

Technical Specifications

Power supply	230VAC, ± 10%, 50/60Hz, max 10 VA or from a built in rechargeable battery, Optional 10-15 VDC for transport applications
Power consumption	max 10VA
Built-in battery	rechargeable, NiCd of increased durability
Battery life	24 hrs at a flow rate of 5 ml/h
Battery charging time	24 hrs
Electrical Safety	Class 1, type BF, IP31
Conformity standards	EN 60601-1 EN60601-1-2(EMC) EN60601-1-2-24 MDD 93/42/EEC
Weight	3.1 kg
Dimensions (W x D X H)	320 x 180 x 140 mm
Operating Conditions	5° C - 40° C; relative humidity: 20 - 90%

Other Features

External alarm socket	24V, 1A
Other functions	anti-bolus system (ABS) automatic syringe size recognition battery life indicator user selectable drug name programmable name of the ward infusion pressure monitoring infusion parameters protected by a password priming Stand by extended menu of user tests and service tests

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