



- Certified Management System
- EN ISO 9001
- EN ISO 13485



Volumetric infusion pump AP31

Simple, safe & reliable

Designed to meet the needs of modern I.V. therapy in neonatal/pediatric/adult ICU, CCU, anesthesia, cardiology and oncology.

UNI-ASCOSSET®



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Key features:

- user friendly software simplifies set-up and operation
- large, easily readable LCD display
- wide range of infusion rate
- drug dose calculation
- automatic & manual bolus capability
- easy modification of infusion parameters in running course
- comprehensive system of audible and visual alarms & warnings
- drug library with user selectable drug names
- RS232 interface
- long battery life
- data lock with a software-controlled passkey system
- event log (up to 2000 events recorded in real time): on-screen display or as XML file
- 4 modes of operation: flow rate, flow rate and volume, flow rate and time, volume over time

Please visit our web-site: www.ascor-med.com.pl to get a detailed information about our whole product range.

Volumetric Infusion Pump AP31

Performances:

Pump type:	volumetric infusion pump
Compatible I.V. set:	DEHP/PVC-free UNI-ASCOSSET infusion set
Flow rate range:	1 ÷ 1000 ml/h (programmable in 0.1 ml/h steps)
Maximum BOLUS rate:	1500 ml/h (programmable in 0.1 ml/h steps)
Volume to be infused:	1 ÷ 9999,9 ml (programmable in 0.1 ml/h steps)
KVO rate:	0 - 5 ml/h (programmable in 0.1 ml/h steps)
Flow rate accuracy:	± 5%
Units available:	ml/h, µg/h, mg/h, µg/kg/h, mg/kg/h, µg/kg/min, mg/kg/min
Drug concentration:	0.01 µg/ml ÷ 1000 mg/ml
Patient weight:	up to 300 kg (programmable in 0.1 kg steps)
Infusion time selection:	up to 99 h 59 m 59 s
Occlusion pressure limit:	40 – 80 kPa (300 ÷ 600 mmHg) programmable in 1 kPa (7,5 mmHg) steps
Drop detector:	optical, with digital disturbance filtration
Air bubble detector:	ultrasonic
Extended system of alarms and warnings (both audible and visual):	Alarms: occlusion, end of infusion, KVO infusion, air in line, door open, no mains, discharged battery internal malfunction Prealarms: 5 minutes left to the end of infusion, low battery
Other functions:	battery life indicator, user selectable drug names , infusion pressure monitoring, programmable name of ward, infusion parameters protected by a password, priming, STAND-BY, extended menu of user tests, 2000 events stored.

Technical specifications:

Power supply:	210 - 240 V AC, 50/60 Hz or 10 - 15 V DC, power consumption max. 10 VA
Built-in battery:	rechargeable, NiMH 1300 mAh
Battery life:	min. 12 h at a flow rate of 25 ml/h, min. 3 h at a flow rate of 100 ml/h.
Battery charging time:	24 h
Computer Interface:	RS232C (9600 Bd)
External alarm socket:	24 V, 1 A
Electrical safety:	Class I, type BF, IP31
Conformity standards:	EN 60601-1 EN 60601-1-2 (EMC) EN 60601-2-24 MDD 93/42/EEC: IIb
Operating conditions:	ambient temperature: 5 – 40 °C relative humidity: 20 - 90%
Dimensions (WxDxH):	140 x 230 x 230 mm
Weight:	< 3,4 kg

Note: Specifications and design are subject to change for improvement without notice

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