ARIES S.r.l.
Biomedical Devices

hawk-s1

Syringe pump



hawkmed®

Hawk-s1 Syringe pump • SmartFusion Series

Hawk – i1 is a device able to guarantee great reliability to operators, easy to use and able to offer interoperability with Hospital Information System.

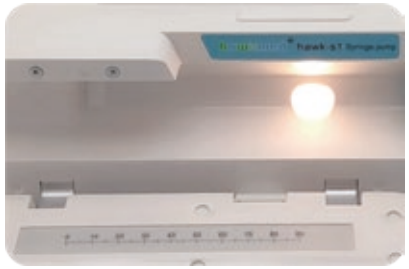
Device produced by Shenzhen hawk Medical Instrument Co. Ltd and distributed by Aries Srl.



Modular design enables vertical stacking from 2-12 pumps.



Installation detection of the plunger flange and barrel flange to assure firm installation before infusion.



Illumination mode facilitates medical care at night.

ENHANCED SECURITY

- With **audible and visual alarm**, caregivers can easily locate the alarm and warning.
- **Drug library** with more than **1000 drugs** in storage and recommended dose limits.
- History record with more than **30000 records stored**.

EASY TO USE

- **Compac and light weight design** allow easy moving and transferring.
- Caregivers can easily install or remove pumps thanks to **rotable pole clamps**.
- **Automatically identification** of various syringe types and sizes from 5ml to 60ml.

INTEROPERABILITY

- **Wireless technology** allows for connection to infusion monitoring system for a complete interoperability with HIS and CIS.

Technical sheet

Model	Description
Infusion Mode	Multi-Mode, Rate Mode, Time Mode, Weight Mode, Intermittent Infusion Mode, Programmable Mode, TPN Mode, TIVA Mode, Sequential Mode, Micro Mode, Loading Dose Mode, Drug Library Mode. Link mode for 2 units of hawk-i1/s1 connected with a USB cable
Applicable infusion set	Various brands of sterile syringes: 5ml, 10ml, 20ml, 30ml, 50ml/60ml
Accuracy	±2%
Infusion rate	5 ml syringe: 0.1 - 150 ml/h, 10 ml syringe: 0.1 - 300 ml/h, 20 ml syringe: 0.1 - 600 ml/h 30 ml syringe: 0.1 - 900 ml/h, 50 ml syringe: 0.1 - 1800 ml/h, increment at 0.01ml/h
VTBI	(0-9999.99) ml
Volume infused	0-36000 ml
KVO rate	(0,0.10~20.0) ml/h
BOLUS rate	5 ml syringe: 0.1 - 150 ml/h, 10 ml syringe: 0.1 - 300 ml/h, 20 ml syringe: 0.1 - 600 ml/h 30 ml syringe: 0.1 - 900 ml/h, 50 ml syringe: 0.1 - 1800 ml/h, increment at 0.01ml/h
Occlusion pressure	13 levels
History record	30000
Alarm	Syringe disengaged, Occlusion, Infusion near empty, Infusion completion, No operation, AC fail, Low battery, Battery exhausted, Malfunction etc
Features	Anti-Bolus, WIFI, Anti-reverse detection, Double CPU, Key lock
Waterproof	IPX3
Power consumption	35VA
Size	258*160*79mm
Net weight	1.8KG
Power supply	AC:100-240V 50/60Hz; DC:DC12V±1.2V
Battery	Li-Polymer 7.4V 1900mAh, more than 8 hours at 5ml/h
Operating conditions	Temperature: 5°C-40°C Relative humidity: 10~85% Atmospheric pressure: 86.0kPa -106.0kPa
Storage conditions	Temperature: -20°C~+45°C Relative humidity: 10~85% Atmosphere pressure: 50.0kPa~106.0kPa
Transport conditions	Temperature: -20°C~60°C; Relative humidity: 10~95% Atmosphere pressure: 50.0kPa~106.0kPa

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