

## HK-100I Infusion Pump



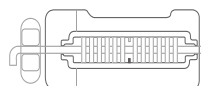
### Feature & functions:

- Compact and light weight design
- Soft key design, easy to operate
- Top indicator light indicating infusion status
- Load directly last infusion rate and volume limit
- Adjustable buzzer volume
- Three adjustable occlusion pressure settings
- Free flow protection
- Double CPU ensuring safe infusion
- Removable pump body for easy cleaning



90° rotatable pole clamp

Fixation on vertical pole or horizontal bar



Removable pump body

convenient for cleaning

### Shenzhen Hawk Optical Electronic Instrument Co., Ltd.

Address: 2B, Building No.2, Aerospace Science & Industry factory areas,  
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# HK-100I Infusion Pump Specification

Specification	
Infusion mode	Rate mode , Drip mode (ml/h and drops /min can be switched)
Flow rate range	0.1~1200ml/h, Micro mode: 0.1-99.9ml/h in 0.1 ml increment, 1-400drops/min
Remaining time	00h:00m It depends on the setting of VTBI and flow rate
Volume to be infused (VTBI)	0 ~9999 ml
Volume Infused ( $\Sigma$ )	0 ~36000 ml
KVO rate	1-5 ml
Infusion accuracy	$\pm 5\%$
Purge	600 ml/h
Bolus rate	300-1200ml/h
Applicable infusion set	A wide variety brands of infusion set
Air bubble detection	Ultrasound sensor detection with four levels of air in line alarm adjustable
Occlusion pressure	3 adjustable occlusion pressure settings: low, middle and high
Alarms	Visual and audible alarms: Door open, Air-In-Line, Occlusion, Infusion completion, Low Battery, Battery depleted, malfunction etc.
Battery	Rechargeable lithium polymer battery, 7.4V, 1900mAh. Can operate up to 6 hours at 25ml/h after fully charged
Battery recharge time	10h with power on, 3h with power off
Power supply	AC:100~240V, 50/60Hz, DC:12V $\pm 1V$
Classification	Class I, type CF, IPX3
Weight	$\leq 1.4\text{kg}$
Dimensions	145×100×120 mm (L×W×H)
Power consumption	25VA
Operating conditions	Temperature: 5°~40°, relative humidity: 10~95%, Atmosphere pressure: 86~106kPa
Transport conditions	Temperature: -20°~+60°, relative humidity: 10~95%, Atmosphere pressure: 50~106kPa
Storage conditions	Temperature: -20°~+45°, relative humidity: 10~95%, Atmosphere pressure: 50~106kPa

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# HK-100 Infusion Pump

## Feature & Functions:

### Compact design

The compact and light weight design save space and are beneficial during patient transfer  
Large & colorful LCD display

### Added safety

#### Free flow protection

The built-in flow stop feature helps reduce the risk of accidental free flow when pump door is open

#### Anti-bolus function

Diminishes the volume of unwanted Bolus after removal of the occlusion cause  
Anti-reverse rotation detection

#### Panel Lock

The panel lock feature helps prevent unauthorized changes of any instrument setting

### Versatile functions

1600 history records  
Real time display  
RS232 interface

90° rotatable pole clamp convenient for horizontal bar, vertical IV pole & platform use

## User-friendly operation

Soft key design, easy to operate

Load directly the last infusion rate and volume limit

Adjustable buzzer volume

Top indicator light reflects the operation status as well as alarm case

Night mode to ensure good rest of patients

Removable pump body for easy cleaning



### Free flow protection



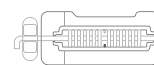
### RS232 interface

1600 event logs and alarm information can be transferred to computer for review



### 90° rotatable pole clamp

Fixation on vertical pole or horizontal bar



### Removable pump body

convenient for cleaning

# HK-100 Infusion Pump Specification

Specification	
Infusion mode	Rate mode      Drip mode
Flow rate range	0.1~1200 ml/h      Micro mode: 0.1-99.9 ml/hr in 0.1 ml increments
Volume to be infused (VTBI)	0~9999ml
Volume Infused ( $\Sigma$ )	0 ~36000 ml
Infusion accuracy	$\pm$ 5%
Applicable infusion set	Support a wide variety brands of infusion set including major manufacturers & selected local brands
KVO rate	1 ~ 5 ml/h
Bolus rate	300 ~ 1200 ml/h
Purge	600ml/h
Air bubble detection	Ultrasound sensor detection with four levels of air in line alarm adjustable
Occlusion pressure	3 adjustable occlusion pressure settings: low, middle and high
Alarms	Visual and audible alarms:Door open,Air-In-Line, Occlusion,Infusion completion, infusion near over, Start reminder function, Low Battery,Battery depleted,malfunction etc.
Computer Interface	RS232
History records	1600 history records
Power supply	AC:100~240V,50/60Hz    DC:12V $\pm$ 1V
Battery	Rechargeable lithium polymer battery,7.4V,1900mAh Can operate up to 6 hours at 25ml/h after fully charged .
Battery recharge time	10h with power on, 3h with power off
Power consumption	25VA
Classification	Class I, type CF
Waterproof Level	IPX3
Mode of operation	continuous
Dimensions	145×100×120 mm (L×W×H)
Weight	$\leq$ 1.4kg
Operating conditions	Temperature:5°~40°,relative humidity:10~95%, Atmosphere pressure:86~106kPa
Transport conditions	Temperature-20°~+60°,relative humidity:10~95%, Atmosphere pressure:50~106kPa
Storage conditions	Temperature-20°~+45°,relative humidity:10~95%, Atmosphere pressure:50~106kPa



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# HK-100II Infusion Pump

## Feature & Functions:

### Compact design

The compact and light weight design save space and are beneficial during patient transfer  
Large & colorful LCD display

### Added safety

#### Free flow protection

The built-in flow stop feature helps reduce the risk of accidental free flow when pump door is open

#### Anti-bolus function

Diminishes the volume of unwanted Bolus after removal of the occlusion cause  
Anti-reverse rotation detection

#### Panel Lock

The panel lock feature helps prevent unauthorized changes of any instrument setting

### Versatile functions

1300 history records  
Real time display  
RS232 interface

90° rotatable pole clamp convenient for horizontal bar, vertical IV pole & platform use

### User-friendly operation

Soft key design, easy to operate  
Load directly the last infusion rate and volume limit  
Adjustable buzzer volume  
Top indicator light reflects the operation status as well as alarm case  
Night mode to ensure good rest of patients  
Removable pump body for easy cleaning



#### Free flow protection



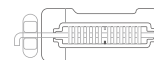
#### 90° rotatable pole clamp

Fixation on vertical pole or horizontal bar



#### RS232 interface

1300 event logs and alarm information can be transferred to computer for review



#### Removable pump body

convenient for cleaning



# HK-100II Infusion Pump

Specification	
Model	HK-100 II Infusion Pump
Flow rate range	0.1~1200 ml/h Micro mode: 0.1-99.9 ml/hr in 0.1 ml increment
Infusion mode	Rate mode, Drip mode, Time mode, Body weight mode Optional: Intermittent infusion mode, Durg library mode
Volume to be infused (VTBI)	0~9999ml
Volume Infused ( $\Sigma$ )	0~36000 ml
Infusion accuracy	$\pm 5\%$
Applicable infusion set	Various brands of infusion set
KVO rate	1 ~ 5 ml/h
Bolus rate	300 ~ 1200 ml/h
Purge	600ml/h
Air bubble detection	Ultrasound sensor detection with four levels of air in line alarm adjustable
Occlusion pressure	3 adjustable occlusion pressure settings: low, middle and high
Alarms	Visual and audible alarms: Door open, Air-In-Line, Occlusion, Infusion completion, infusion near over, Start reminder function, Low Battery, Battery depleted, malfunction etc.
Computer Interface	RS232
History records	1300 history records
Power supply	AC:100~240V,50/60Hz DC:12V $\pm 1V$
Battery	Rechargeable lithium polymer battery, 7.4V, 1900mAh Can operate up to 6 hours at 25ml/h after fully charged.
Battery recharge time	10h with power on, 3h with power off
Power consumption	25VA
Classification	Class I, type CF
Waterproof Level	IPX3
Mode of operation	continuous
Dimensions	145×100×120 mm (length×width×height)
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Operating conditions	Temperature: 5°~40°, relative humidity: 10~95%, Atmosphere pressure: 86~106kPa
Transport conditions	Temperature: -20°~+60°, relative humidity: 10~95%, Atmosphere pressure: 50~106kPa
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