# AKAS INFUMAX
## ADVANCED INFUSION PUMP

# AKAS
*Caring 7 billion*



An infusion pump that serves both volumetric and drop counting functions

ACCURATE & USER FRIENDLY

CE 1023

- Drop/min & mL/ hr setting
- Infused volume & time display
- Target volume & Target time setting - Auto calculation
- Built in rechargeable battery
- Excess/Less flow alarm
- Rotatable clamp for mobile pole/rail
- Ungradable to WiFi Interface
- Occlusion Pressure Limit Alarm
- Keypad Locking Function
- Drug Library/Dose mode

- Programmable to any I.V tubing
- Door Open alarm for safer infusion
- Upto 5000 Events History
- Suitable for Adult/Pedia infusions
- Audible and visual alarms
- Keep Vein Open(KVO)
- 'Air in Line' Detector
- Bolus Function
- Different color LED's & LCD Display with Help Function
- Free flow protection
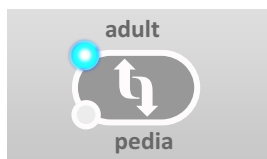
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## ADVANCED INFUSION PUMP

### Any IV set
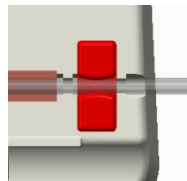Program to your IV set & Accuracy promised

### Drop/min & mL/hr Modes
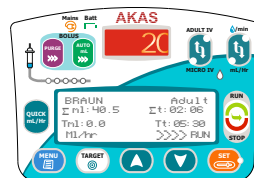Drops / min and ml per hour easy change over

### Adult & Pediatric Infusion
Adult IV set to Micro IV set easy change over

### Avoid Air Embolism
Air bubble detection and alarms as well as stops infusion

### User Friendly
LCD for user assist function LED display for long distance Viewing

## SPECIFICATION

| | | |
|---|---|---|
| Product Model | : | Volumetric Infusion Pump |
| Power Supply | : | AC 220V to 240V  50Hz |
| Battery Backup | : | 5hrs @ 8 drop/min or 25 ml/hr (Auto Power Saving Mode) |
| Power Consumption | : | 10VA (W) |
| Pumping mechanism | : | Linear Peristaltic |
| Drop Sensors | : | External |
| 'Air in line' Detector | : | Internal |
| Display | : | LCD and 7 Segment LED Display |
| Safety features | : | Excess / Less Alarm |
| | | Air in Line Protection |
| | | Sensor Malfunction Protection |
| I.V set ml conversion | : | Adult I.V sets - 12 to 26 drops/ml in steps of 0.5 |
| | | Micro I.V sets - 30 to 85 drops/ml in steps of 1 |
| I.V set tubing | : | Accepts all Brands of I.V set |
| Drop rate range | : | 1 to 150 drop/min for Adult * |
| | | 1 to 100 drop/min for Pedia |
| Volume rate range | : | 0.5 to 1200 mL/hr for Adult * |
| | | 0.1 to 300 mL/hr for Pedia |
| Drop resolution | : | 1 drop/min |
| Flow rate Resolution | : | 0.1 to 99.9 mL/hr in steps of 0.1 mL/hr |
| | | 100 mL/hr and above in steps of 1 mL/hr |
| Bolus Function | : | Auto Bolus, Purge Bolus |
| Bolus Flow rate | : | 10 to 1200 mL/Hr - Adult |
| Event Log | : | 5000 Event History for recording the events |
| Free Flow Protection | : | Free flow lever lock for protecting accidental excess flow |
| Drug Library Mode | : | Drug library run mode with 15 default drugs and upto 100 drug names can be user programmable |
| Last Data ON/OFF | : | Last infusion rate and other parameters can be stored even after AC power is OFF |
| Stand By | : | Pause Infusion facility from 1 min to 24 hours adjustable |

* Maximum Flow Rate may vary depending on IV Set Quality

| | | |
|---|---|---|
| Occlusion Alarm | : | 3 level Occlusion alarm |
| | | LOW  - 300mmHg |
| | | MEDIUM - 500mmHg |
| | | HIGH - 900mmHg |
| Auto Occlusion Sensitivity | : | Automatic Occlusion pressure limit alarm for safer infusion depending on Flow rate |
| Target Volume | : | 0.1 to 10000ml |
| Bolus Volume | : | 0.1 to 50ml, 0.1 to 1000 ml (Adjustable) |
| Elapsed time | : | 00:01 to 99:59 Hr |
| Keep Vein Open (KVO) | : | 0 to 9.9 mL/hr steps of 0.1mL/hr |
| Battery charging period | : | 10 hrs automatic |
| Battery type | : | 14.4 V(800 mAh) Rechargeable |
| Audio and visual alarm | : | Target volume alarm & pre alarm, Excess flow, Less flow/bottle Empty, Air in line, Battery low, Battery critical, KVO, Door Open or Tube Misleading, AC mains unplugged and Occlusion alarm |
| Purge Flow | : | Flushing of IV tube possible |
| Menu Driven | : | Self Guided / Help Assisted Interactive Functions, Self Diagnosis of Alarm Causes |
| Housing | : | PC ABS plastic |
| Dimension | : | 148mm x 100mm x190mm (L x W x H) |
| Weight | : | 2.0 kg |
| Certification | : | CE, ISO 13485:2016 |
| Connectivity (Optional) | : | RS232 or Wi-Fi |
| Volume and time based flow rate calculation | : | Available |
| Accuracy | : | ±5% |
| Operating & Storage Temperature | : | -10 to 50 degree C |
| Operating & Storage Humidity& pressure: | | 15 to 90% & 50 to 106 kpa |
| IP Protection | : | IPX4 |
| Classification | : | CF type, class I protection rating, in compliance with IEC /EN 60601-1, Class IIb in compliance with Council Directive 93 /42/EEC |
| Safety Testing | : | EN 60601-1. EN 60601-1-2, EN 60601-1-6, EN 60601-1-8, EN 60601-2-24 |

## AKAS
### Caring 7 billion

## AKAS Medical Equipment

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## MADE IN INDIA

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Your Nearest Dealer

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*Specifications are subject to change without notice