

AKAS TERUMAX RX

AKAS
INFUSIONS

Hitwin
HEALTHCARE

World's **LIGHTEST** Syringe Pump



7VA

Environment
Friendly

2.2L

Compact
Pump

**1.9
Kg**

Lightest
Pump

**8
Hrs**

Long Battery
Backup



IP
WITH IP
PROTECTION

Made in India

Made for the World



Light Weight



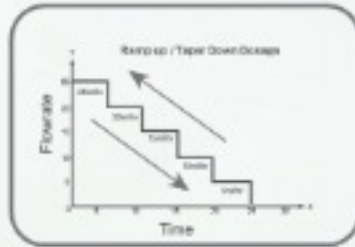
PCA Function
(Optional)



Multiple Porting



High Flow Rates



Dosage Mode



Drug Library



The Syringe Pump for every ICU

AKAS TERUMAX Rx Specification

Power Supply	220 - 240V AC, 50Hz		
Battery	12V (800 mAh) NiMH Battery		
Backup	8hrs@5ml/hr Flow rate on 50ml Syringe		
Power Consumption	7VA		
Display	LCD & LED Display.		
Applicable Syringe	2ml, 5ml, 10ml, 20ml, 30/35ml, 50/60ml Syringes form any brand. Custom Programmable for any brand Syringe also available.		
Automatic Syringe Size Detector	Available		
Flow Rate	Mains	Battery	Syringe
Range ml/Hr:	0.01-350	0.01-180	2 ml
	0.1 -750	0.1-350	5 ml
	0.1-1000	0.1-500	10ml
	0.1-1800	0.1-900	20 ml
	0.1 -2500	0.1-1200	30 ml
	0.1 -3000	0.1-2000	50 ml
Infused Volume	0.1 -9999 ml		
Elapsed Time	Display of Elapsed time from 00:01 to 199:59 hrs		
Ramp up/Taper down dosage mode	10 different programs		
Sequential Mode	Flow-rate at Different target time or volume available.		
KVO	0.1ml/Hr to 9.9ml/Hr in 0.1 ml increment.		
Bolus	Purge Bolus & Auto Bolus		
Flow Rate	Mains	Battery	Syr Size
Range ml/Hr:	0.01-350	0.01-180	2 ml
	0.1 -750	0.1-350	5 ml
	0.1-1000	0.1-500	10ml
	0.1-1800	0.1-900	20 ml
	0.1 -2500	0.1-1200	30 ml
	0.1 -3000	0.1-2000	50 ml
Bolus Volume	0.1 ml to 10 ml in 0.1 ml increments		
Occlusion Pressure	10 steps selection (OFF to 9 Levels).		

Anti-Bolus function	Post occlusion bolus reduction function to avoid accidental bolus delivery after occlusion incident.
Event log with RTC	Available 5000 Events
Alarms	<ul style="list-style-type: none"> TAR.1 Target volume reached TAR.2 Target time reached END End of Syringe PCA.D PCA probe disconnected OCCL Occlusion Pressure limit reached P.OCL Occlusion Pressure Prealarm OFF Battery Discharged AL1 Syringe Holder Disturbed during Infusion AL 2 Delivery Line disconnected alarm AL 3 Internal Mechanism fault AL 4 Mains to Battery changed. Flow rate reduced to Battery range AL 5 Mains Voltage Over the Limit AL 6 Mains Voltage Below 215 reduce Flow rate<=2000 ml/Hr AL 9 Priming Not Done ALID Occlusion sensor Failed ALII Low patient back pressure, Maintain bed level equal to pump

Audio/Visual Indication & Alarms: Target reached (time or volume), Occlusion, Occlusion pre alarm, Syringe not engaged, Near to Empty, End of syringe, Battery mode, battery low, Internal mechanism fault, KVO Mode, Bolus Mode, PCA Mode, PCA probe disconnected, Patient end drug line disconnected alarm, Operation on mains / battery.

Modes: Flow Rate only, Flow Rate & Target volume, Flow Rate & Target Time, Target volume and target time, Drug library mode, Syringe pump with PCA Mode, High pressure mode

Drug Library: Available with 100 drug name. Flow rate calculation based on patient weight (Kg), Drug Concentration (mg/ml, mcg/ml) and Drug Dosage (mg/kg/hr, mc/kg/min, mcg/kg/hr, mcg/kg/min)
**More than 100 Drug name storage as per user request

Communication	Computer Interface (HL7/RS232), Wifi available
PCA (Optional):	PCA dose can be preset from 0.1 to 10ml. Minimum locking time Interval between two Doses, Time interval from 0 - 24hrs in steps of 1 min, Delivered and non delivered doses display
Accuracy	Mechanical Accuracy ±1%; Including Syringe ± 2%
Safety Testing	EN 60601-1, EN 60601-1-2, EN 60601-1-6, EN 60601-1-8, EN 60601-2-24
Certification	CE, ISO 13485:2016,
Space Occupied	2.2 ltrs
Weight & Dimension	1.9 kg; 170x96x 133 (L x B x H)
Inline changing of delivery rate	Possible to change the infusion rate without stopping the infusion
Last data ON/OFF:	Saves the last infusion data even When Power OFF & ON
Alarm Volume	Adjustable 5 Levels
Pause Infusion facility	Standby option from 1 min to 24 hrs user adjustable
Battery Remaining Time	Viewable Under Settings
Adjustable Near To End Time	From 3 min to 30 mins With flow rate Dependent only
AMC Remainder	Available
Keypad Locking	Available Manual & Automatic (ON/OFF option)
Pressure Display	Inline pressure display Available in PSI Value(ON/OFF option)
Alarm LED Brightness	Adjustable 5 Levels
Optional Pole Clamp	Multifunction Mounting pole clamp for Horizontal/Vertical Pole Mounting
Unipower Supply (Optional)	5 In one power Chord Supply for Stacked pumps
Docking Stand (Optional)	Stack 4 pumps & Mountable on poles with unipower Supply Chord.

PRODUCT CODE : PUM PUMP SRXMAX | PCA KIT ORDERING CODE : PUM PUM PCAKIT

Manufactured by



AKAS Medical Equipment

240/1, Periya Colony, Athipet, Ambattur, Chennai - 600 058

M : +91-98403 79116 | E : sales@akasinfusions.com | W : www.akasinfusions.com

Your Nearest Dealer



Hitwin Healthcare Pvt. Ltd.

7/10, Jaganathan Nagar 2nd Main Road, Arumbakkam, Chennai, India - 600106.

Ph: 91 44 4684 5555 (20 Lines), 91 44 4233 3313

*Specification are subject to change without notice.