



Wilburn Medical USA
WilburnMedicalUSA.com

146 Furlong Industrial Drive
 Kernersville, NC 27284

1-877-WILBURN (1-877-945-2876)
1-866-FAXWILBURN (1-866-329-9452)
wusainfo@wilburnmedical.com

Representative:

David Mitchell

Direct: 336-993-4817 Ext. 1204

david.mitchell@wilburnmedical.com

Anesthesia Syringe Pump ABC-4100

Easy to Operation - Electronic Simplicity

User Customization promotes friendly programming and use

Multiple Delivery Modes

- Various Delivery modes (Body-Weight ,Mass, Bolus option, Continuous, Volume over Time)
- Adjustable Flow Rate ranges – Changes can be made without interrupting flow
- Accuracy +/- 3% excluding syringe variations
- Fast Bolus Rates

Storage for User Defined Settings

- 90 Settings (Customized Drug Names and Programmed Settings for each can be saved and easily retrieved)

Accommodate Various Syringes Manufacturers with Automatic Size Sensing

- 1, 3, 5, 10, 20, 30, 60 and 140 ml syringe sizes

Easy Syringe Loading

- Front Syringe Loading
- Easy Plunger Loading with Plunger Sensor

Multiple Sensors to Monitor Delivery Accuracy

- Syringe Size
- Syringe Plunger Force
- Syringe Plunger Movement
- Motor Shaft Rotation

Metal Housing Design

- Non-plastic housing to reduce breakage
- Improved EMI immunity (IEC 60601-1-2)
- Splash Proof for more effective and easier cleaning

Large Graphic LCD Display with White Backlight (promotes easy viewing)

Syringe Light can be viewed from afar (delineates infusion status)

Unique Labeling area can be used to indicate infusion information

AC / Battery operated device with Externally Removable Battery Pack

- Standard Battery Capacity (12 hours at 5 ml/hr)
- No External Power Adaptor required

Full Alarm Capabilities - LED & LCD Alerts and Audio Alarms

RS232 Interface Capabilities

Integrated Carrying Handle with optional Rotating Pole Mount System



Additional Screen Shots

```

MAIN MENU PAGE 1 OF 3
<1>Propofol
<2>Remifentil
<3>mcg/KG/mn
<4>ML/HR

<8>USE LAST PROGRAM
<9>USE SAVED PROGRAM
<0>USE NEW RATE MODE

KEY IN # OR USE ▲ ▼
THEN PRESS <Enter>
  
```

```

mcg/KG/mn
MOND 35 WT= 75KG
TOT AMT= 0.00 MG
CONC. = 1 MG/ML

0.85 mcg/KG/HR = 3.825 ML/HR
START<Del> EXIT<Menu>
03:25P 0.2LB
  
```

```

Propofol
B-D 60 WT= 100KG
TOT AMT= 0.00 MG
CONC. = 10 MG/ML
BOLUS = 1500 mcg/KG

25.0 mcg/KG/HR = 15.00 ML/HR
START<Del> EXIT<Menu>
11:15A 0.1LB
  
```

```

Remifentil
B-D 20 WT= 100KG
TOT AMT= 0.00 MG
CONC. = 0.05 MG/ML
BOLUS = 1 mcg/KG

0.05 mcg/KG/HR = 6.000 ML/HR
START<Del> EXIT<Menu>
01:20P 0.0LB
  
```

```

BOLUSING
B-D 60 WT= 100KG
TOT AMT= 5.45 MG
BOL AMT= 5.11 MG
CONC. = 10 MG/ML
BOLUS = 1500 mcg/KG

25.0 mcg/KG/HR = 15.00 ML/HR
11:25A
  
```

























```

ML/HR
B-D 60
TOT AMT= 0.00 ML
DEL LMT= 10.0 ML
BOLUS = 2.0 ML

2.40 ML/HR
START<Del> EXIT<Menu>
10:37P 0.5LB
  
```



ABC 4100 Quick Reference Guide (IV Delivery)

I. Basic Actions	Procedure / Keys	Note:
(1) Turn pump on		Plug in AC power whenever possible.
Note:	Brief Instructions appear on the last 2 lines of the LCD.	Become familiar with these instructions.
(2) Select Rate Mode From Main Menu	  or NUMBER , then 	Choose the specified Rate Mode.
(3) If Weight Based enter weight	  or NUMBER , then 	If not weight based this step will be skipped
(4) Load Syringe Choose syringe mfg Load syringe Confirm syringe size	  or  , then   60,30,20, etc.	Find the correct Syringe Manufacturer. Properly load the syringe barrel and plunger. (Refer to Operation Manual Section 5 Syringe Loading Instruction) Make sure displayed size matches actual syringe size.
(5) Enter Settings As Prompted	NUMBER keys, then   reset to 0	Visually confirm the displayed value with the number being entered.
(6) Start Delivery		
(7) Stop Delivery		
II. Other Actions	Procedure / Keys	Note:
Priming		Press & hold Prime key to start priming. Release Prime key to stop priming.
Change Rate	 NUMBER , or   then  or 	Rate can be changed in either Stop or Delivery mode. Pressing Deliver key after the number will start delivery.
Alarm OFF		Temporarily silence alarm.
Turn pump OFF		Press & hold Power OFF key until pump is OFF. Pump enters battery charging mode if AC power is plug in.



IMPORTANT: User is responsible to read and understand the complete operations manual.