

Practivet Syringe Pump User Manual

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SYRINGE INFUSION PUMP S300

Technical specification



- Automatic syringe detection and installation
- 3.2" high contrast and resolution colour display
- Touchscreen
- Mobile phone like alphanumeric keyboard
- Safe and easy interface
- Fast infusion start
- Built-in power supply, handle, rotatable pole clamp
- Intelligent occlusion avoidance algorithm
- Bolus supply support system
- Titration with soft or hard limits
- Highly advanced alarm system
- 2 infusion security levels protected by passwords
- Day and night modes
- Automatic pump firmware, configuration and drug library update without infusion interruption
- HL7 protocol connectivity to PDMS/HIS

Drug Library

- Safe and ready to use list of drug dosing procedures
- CCA drug dosing procedures
- CCA pump configuration
- Up to 40 CCAs, up to 40 drug categories, up to 5000 dosing procedures
- Up to 10 fixed concentrations and 1 user definable for every drug
- Default values for selected parameters
- Soft and hard limits of several infusion parameters
- 2 levels of advisory notes
- Upload of a drug library without infusion interruption

SYRINGE SIZES
• 2 - 60 ml • All major brands available • Other syringes may be calibrated according to customer needs
FLOW RATE
• 0.1 - 99.99 ml/h with 0.01 ml/h increments • 100 - 999.9 ml/h with 0.1 ml/h increments • 1000 - 2000 ml/h with 1 ml/h increments
INFUSION VOLUME, TIME
0.1 - 20000 ml; 1 min - 200 h
INFUSION ACCURACY
± 2% according to EN 60601-2-24
BOLUS, INITIAL BOLUS
• Rate: 20 - 2000 ml/h • Volume: 0.1 - 50 ml • Automatic and manual bolus
OCCUSION
12 levels (75 ÷ 900mmHg)
UNITS
ng, µg, mg, g, ml, L, µEq, mEq, Eq, mIU, IU, kIU, mIE, IE, kIE, mmol, mol, cal, kcal, J, kJ / --, kg, m ³ / min, h, 24h
INFUSION MODES
Continuous, Intermittent, Profile, TPN, PCA/PCEA*, TCI/TIVA* * Q2 2018
ALARMS
3 levels of alarms priority, reminders, warnings
HISTORY INFUSION
Min. 2000 records of typical infusions
POWER SUPPLY
100 ÷ 240 VAC; 12.4 ÷ 15.5 VDC, max 1 A
BATTERY
• Ni-MH. Work time: 30 h @ 5 ml/h • Full recharge time: ≤ 5 h
DIMENSIONS, WEIGHT
364 x 115 x 165 (W x H x D), ≤ 2.3 kg
CLASSIFICATION
Class II, CF type, Defibrillation proof, IP22
SAFETY STANDARDS
EN 60601-1, EN 60601-1-2, EN 60601-1-8, EN 60601-2-24, EN 1789, MDD93/42/EEC-IIIb

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DH-S300-03-119-02_2018.03.23-Data_sheet

Practivet Syringe Pump User Manual

The Practivet syringe pump is an essential tool in veterinary medicine, providing precise control over fluid delivery for various medical treatments. This user manual will guide you through the features, setup, usage, maintenance, and troubleshooting of the Practivet syringe pump, ensuring that both new and experienced users can maximize its effectiveness in clinical settings.

Features of the Practivet Syringe Pump

The Practivet syringe pump comes equipped with numerous features that enhance its usability and efficiency:

- **High Precision:** The pump is designed for accurate delivery of medications and fluids, which is critical in veterinary care.
- **Multiple Syringe Sizes:** Compatible with a variety of syringe sizes, the pump can accommodate different treatment protocols.
- **Intuitive Interface:** The user-friendly interface allows for easy programming and monitoring of infusion rates.
- **Battery Backup:** The built-in battery ensures continued operation during power outages, vital for emergency situations.
- **Alarms and Alerts:** The pump features alarms for occlusions, low battery, and completion of infusion, enhancing patient safety.

Setting Up the Practivet Syringe Pump

Setting up your Practivet syringe pump is a straightforward process. Follow these steps to ensure proper installation and readiness for use:

1. Unpacking the Pump

- Carefully remove the syringe pump from its packaging.
- Check for any visible damage and ensure all components are included, such as the power adapter, user manual, and any additional accessories.

2. Charging the Battery

- Connect the power adapter to the pump and plug it into a power outlet.
- Allow the battery to charge fully before first use, which may take several hours.
- A fully charged battery provides hours of operation, depending on usage.

3. Inserting the Syringe

- Select the appropriate syringe size based on the treatment requirements.
- Open the pump compartment and place the syringe in the designated holder, ensuring the plunger is properly aligned.
- Close the compartment securely to prevent any accidental removal.

4. Programming the Pump

- Turn on the pump using the power button.
- Use the interface to select the infusion rate, volume to be infused, and any other settings specific to your treatment protocol.
- Review the settings to confirm accuracy before starting the infusion.

Using the Practivet Syringe Pump

Once the pump is set up, it is ready for use. Here are the steps for operating the Practivet syringe pump effectively:

1. Starting the Infusion

- After programming the pump, press the "Start" button to begin the infusion.
- Monitor the display for real-time updates on the infusion rate and volume delivered.

2. Monitoring the Infusion

- Regularly check the infusion site and the pump interface for any alarms or alerts.
- Ensure that the syringe remains in place and that there are no leaks or kinks in the tubing.

3. Stopping the Infusion

- To stop the infusion, press the "Stop" button on the interface.
- Always follow the protocol for discontinuing treatment, which may involve flushing the line or other steps as required.

Maintenance of the Practivet Syringe Pump

Regular maintenance is crucial for ensuring the longevity and reliability of your Practivet syringe pump. Follow these guidelines:

1. Cleaning the Pump

- Wipe the exterior of the pump with a soft, damp cloth to remove any spills or residues.
- Avoid using harsh chemicals or abrasive materials that could damage the surface.

2. Checking for Software Updates

- Regularly check the manufacturer's website for any software updates that may enhance the pump's functionality.
- Follow the provided instructions for downloading and installing updates.

3. Routine Calibration

- Schedule routine calibration of the pump as recommended by the manufacturer.
- Ensure accurate delivery by regularly verifying the pump's performance against known standards.

Troubleshooting Common Issues

Despite its reliability, users may encounter issues with the Practivet syringe pump. Here are common problems and their solutions:

1. Alarm Notifications

If the pump triggers an alarm, consider the following:

- Occlusion Alarm: This may be caused by a kink in the tubing or a blocked syringe. Check the setup and clear any obstructions.
- Low Battery Alarm: Recharge the pump immediately to prevent interruption of the infusion.
- Completion Alarm: This indicates that the programmed volume has been delivered. Always verify the total volume infused against the treatment plan.

2. Syringe Compatibility Issues

If the pump does not properly recognize the syringe, ensure that:

- The syringe is correctly seated in the holder.
- You are using a compatible syringe size as per the manufacturer's specifications.

3. Display Issues

If the screen is unresponsive or displaying errors:

- Restart the pump by turning it off and on again.
- If issues persist, consult the user manual for further troubleshooting steps or contact technical support.

Conclusion

The Practivet syringe pump is a vital instrument in the field of veterinary medicine, allowing for precise and controlled delivery of medications and fluids. By following this user manual, practitioners can ensure effective setup, operation, and maintenance of the device. Proper familiarity with its features and troubleshooting techniques will enable users to utilize the Practivet syringe pump to its fullest potential, ultimately enhancing patient care and treatment outcomes.

Frequently Asked Questions

What is the primary function of the Practivet syringe pump?

The primary function of the Practivet syringe pump is to deliver precise and controlled amounts of medication or fluids to patients, ensuring accurate dosing in medical settings.

How do I set up the Practivet syringe pump for the first time?

To set up the Practivet syringe pump, first ensure it is placed on a stable surface, connect it to a power source, install the syringe as per the manufacturer's guidelines, and configure the desired infusion parameters on the digital interface.

What should I do if the Practivet syringe pump displays an error message?

If the Practivet syringe pump displays an error message, refer to the user manual for troubleshooting steps. Common actions include checking the syringe placement, ensuring the pump is properly calibrated, and verifying power supply connections.

Can I use any type of syringe with the Practivet syringe pump?

No, it is recommended to use only compatible syringes specified in the Practivet syringe pump user manual to ensure accurate delivery and prevent damage to the pump.

How can I adjust the infusion rate on the Practivet syringe pump?

To adjust the infusion rate on the Practivet syringe pump, navigate to the infusion settings on the digital display, select the desired rate in ml/hour or another unit, and confirm the changes before starting the infusion.

Is there a battery backup available for the Practivet syringe pump?

Yes, the Practivet syringe pump typically comes with a battery backup feature that allows it to continue operating during power outages, but it is important to check the user manual for specific details on battery life and maintenance.

How often should I perform maintenance on the Practivet syringe pump?

Regular maintenance should be performed on the Practivet syringe pump as per the user manual recommendations, typically including daily checks, weekly cleaning, and periodic calibration to ensure optimal performance.

Where can I find the user manual for the Practivet syringe pump?

The user manual for the Practivet syringe pump can usually be found on the manufacturer's official website, or it may be provided as a physical copy with the device. Additionally, customer support may assist in retrieving a digital copy.

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Access the complete Practivet syringe pump user manual for detailed instructions and tips on optimal usage. Learn more to enhance your experience today!

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