



Ambulatory Syringe Pump



A small, safe, reliable and user-friendly device suitable for inpatient and outpatient use in a variety of applications

The **T34™ Ambulatory Syringe Pump** is accurate, reliable, user-friendly and meets all of the NPSA requirements for Safer Ambulatory Syringe Drivers (RRRo19)

Applications

- Medications/analgesics
- Palliative care
- Brittle Asthma
- Chemotherapy
- General fluid replacement

Intended use

- Intravenous
- Subcutaneous
- Percutaneous
- Epidural (in close proximity to nerves)
- Intra-operative site
- Intra-arterial

When you need an accurate and reliable system which is configurable to a range of applications

- **Automatic calculation of syringe volume** and depending on mode of operation, can deliver contents over a specified duration or as ml/hour
- **Lockable ml/hour setting** (rate setting) suitable for homecare use
- The **Post Occlusion Bolus Reduction System** will safely equalise pressure in the line, following an occlusion, without administering a potential post-occlusion bolus
- **Configurable occlusion pressures** for different clinical applications and therapies
- **Four configurable modes of operation** available to suit specific applications:
 - o Lock on
 - o Lock off
 - o Rate mode
 - o Rate setting



When you need a safety enhanced system which meets all of the NPSA requirements

- **Three-point automatic syringe detection and recognition system** allows you to quickly and easily set up the pump and will detect most commonly used syringe brands
- **The built-in event log** automatically records date and time-stamped key presses, alarms and errors
- **A lockable keypad** prevents most inadvertent key presses
- **Code-protected functions** only allow authorised personnel to change settings
- **Automatic alarms** will draw immediate attention to any pump status requiring intervention
- **Administer small volumes with high levels of accuracy**
- **Latex-free, dedicated administration lines** with very small priming volumes, anti-siphon valves and anti-kink tubing are available

When you need a system which is quick and easy to use, allowing you more time for your patients

- **Set up instructions are on a label** on the front of the pump
- During operation, **pump displays time remaining, flow rate and a pump operating indication**
- **Info key displays volume infused, volume to be infused and battery level** to allow quick and easy checks
- **The digital descriptive display** guides you step-by-step throughout the use of the pump

When you need a pump that's flexible enough to use on the move and with a range of patients

- Suitable for both **bedside and ambulatory use**
- Powered by **1 x 9V disposable battery** (recommended rechargeable batteries can also be used)
- Can be used with **most common syringe brands** and sizes (up to 50ml)
- Suitable for **adult and paediatric use**

When you need a pump which offers your patients a host of benefits

- Your patient will have **complete freedom to ambulate** during infusion – carry pouches are available for easy transportation
- Intuitive operation and display features will **help your patient to understand their medication** and to make basic operational changes
- Homecare patients will benefit from **quick and easy set up functionality**
- The **small and discreet design** will give your patient dignity
- **Built-in safety features will instil confidence** in your patient, knowing they are receiving a high level of care

Supporting information

If you are formulating a Purchasing for Safety Initiative for Safer Ambulatory Syringe Drivers, the information below will help you to see how the T34™ Ambulatory Syringe Pump can help you to meet and exceed the NPSA requirements for risk reduction (NPSA/2010/RRR019).

PURCHASING FOR SAFETY INITIATIVE CHECKLIST

Required Safety feature	T34 feature
Rate settings in millilitres (ml) per hour	Automatic calculation of infusion rate and volume in ml/hour
Mechanisms to stop infusion if the syringe is not properly or securely fitted	Three-point syringe detection system
Alarms that activate if the syringe is removed before the infusion is stopped	Immediate syringe displacement alarm which will halt infusion until resolved
Lockbox covers and/or lock out controlled by password	Dedicated key-operated lockboxes available plus code-protected programmes locked into the pump and a lockable keypad
Provision of internal log memory to record all pump events	The last 512 sequential events are recorded in the pump event log and can be downloaded to a PC using our own configuration software, BodyComm

DURING TRANSITION

You can depend on a collaborative approach from us to ensure a safe and successful implementation of your new T34™ Ambulatory Syringe Pump

- Our clinical specialists will assess your training needs and design and implement a training programme that is specific to your needs, fit for purpose and achieves your training objectives

DURING INFUSION

- Automatic infusion rate calculation in ml/hour eliminates the need for manual measurement or rate calculation
- Dedicated key-operated lockboxes are available to protect the pump, syringe and contents from damage or tampering
- A comprehensive range of user manuals and RCN-accredited training materials are provided to ensure accurate and safe use of the device

Pump and accessories

Product code	Description	Parts included	Parts description
SBOMT34A	T34 Syringe Pump and User Manual	100-100SM 100-090PLANET	T34 Syringe Pump T34 User Manual
SBOMT34DOCKB	T34 Docking Station – Mains PSU, including RS232 Lead	150-312S 150-311CPC 150-312CPC 150-755X BCS88	T34 Docking Station RS232 Lead T34 Docking Station Power Supply (12V) T34 Docking Station AC Mains Adapter (2x9V) BodyComm 88 Software
SBOMT34DOCKC	T34 Docking Station 2x9V including RS232 Lead	150-312S 130-050X2 150-311CPC BCS88	T34 Docking Station T34 Docking Station Battery Adapter (2x9V) RS232 Lead BodyComm 88 Software
SBOMT34EA	T34 Syringe Pump – Extended Memory and User Manual	100-200PSM 100-090PLANET	T34 Syringe Pump with Extended Memory T34 User Manual
SBOMT34LOC	Lockbox (clear) including 2 keys	100-174SA 170-002X	T34 Lockbox (clear) Lockbox key x 2
SBOMT34LOCYEL	Lockbox (yellow tint) including 2 keys	100-174SE 170-002X	T34 Lockbox (yellow tint) Lockbox key x 2
198-201	Carry pouch for pump and lockbox (single patient use)		
100-176s	Carry pouch for pump and lockbox (reusable)		
100-177S	Carry pouch for pump only (reusable)		

Administration sets

Product code	Colour	Pump connection	Patient connection	Length	Prime volume	Free flow safety
100-172S	Clear	Female luer lock	Male luer lock	100cm	0.5ml	Anti-siphon valve
100-170S	Clear	Female luer lock	25g butterfly needle	100cm	0.5ml	Anti-siphon valve
100-172SB	Blue	Female luer lock	Male luer lock	200cm	0.7ml	Anti-siphon valve & clamp
100-172SE	Yellow	Female luer lock	Male luer lock	100cm	0.5ml	Anti-siphon valve
100-172SC	Blue	Female luer lock	Male luer lock	170cm	1.0ml	Anti-siphon valve, Y connector & clamp

CME Support – by your side throughout

Technical support

Your technical support needs are our priority. As an ISO 13485 certified support facility, we can offer you high-quality technical support and training, with services developed by our customers for our customers.

You and your team will benefit from market-leading technical training and support services. We will work with you to ensure you receive the best possible service package for your needs.

TRAINING

Your role as Biomedical Engineer in supporting and maintaining these sophisticated devices is a very important one. That is why we offer a range of technical training courses and materials which are designed to give you the knowledge and skills to expertly support your chosen devices.



EQUIPMENT REPAIR AND SERVICING

Our team of highly skilled engineers will support you by ensuring competitive turnaround times. Prompt spare parts order fulfilment is guaranteed by our significant stockholding capability.

SERVICE CONTRACTS

When entering into a service contract with CME Medical, a partnership is formed to ensure your requirements are identified and addressed from the outset.

Clinical support

You and your team need the confidence to competently and safely operate your chosen infusion devices. That is why we have developed a range of education programmes which are based on current and well-established principles of learning and training strategies and which follow national standards for medical device training.

Your competency-based training can be delivered either face to face or via e-learning. We can offer both at the point of purchase and periodically as required.

Your dedicated Clinical Support Specialist will work with you to develop a training plan which is tailored to your local needs, fit for purpose and which will help you to achieve your training objectives. Emphasis will be placed on intensive training for your advanced users, allowing you to take control of your own cascade training as your organisation goes forward.

BodyComm

BodyComm is an easy-to-use configuration software programme which enables efficient and flexible management of all infusion protocols stored in your T34™ Ambulatory Syringe Pump.

Use BodyComm to:

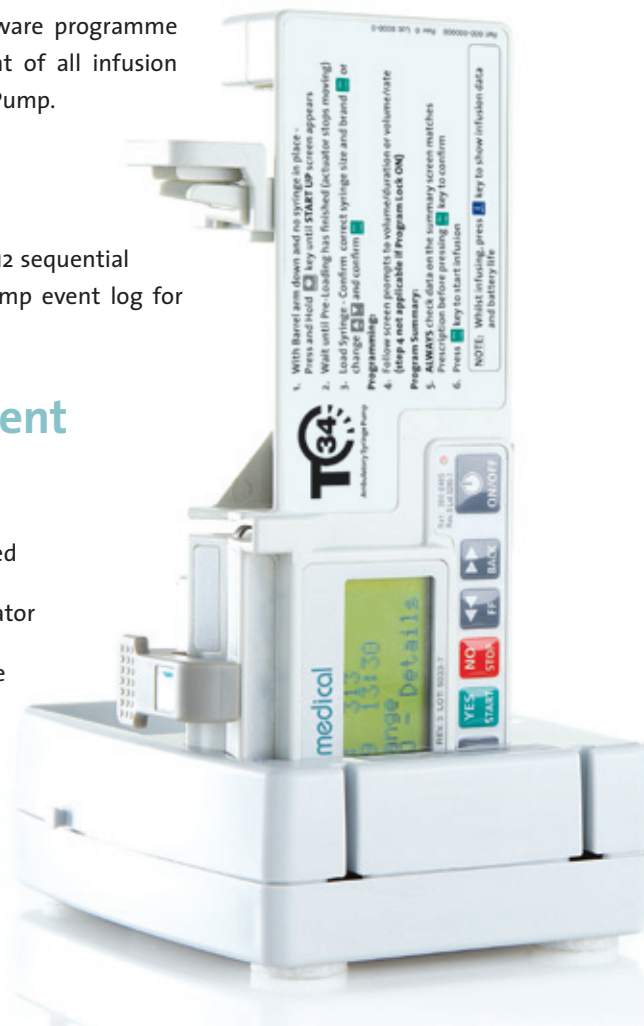
- Download, save and print a record of the last 512 sequential stored events, including alarms, from your pump event log for display in text and graphic format

Data captured for each event

- Date & time
- Rate
- Volume infused
- Volume to be infused
- Event number
- Position of the actuator
- Time (duration)
- Syringe type and size
- Length of travel (mm versus ml)
- Alarm mmHg
- Battery voltage level

Technical specifications

Type	Syringe pump with motor-driven linear actuator
Flow rate	0.05ml–10ml/hr in 0.01ml increments, 10–650ml/hr in 1ml increments (up to 1,000ml/hr available)
Accuracy	+/- 5% system accuracy
Syringe sizes	Accommodates most syringe brands from 2ml to 50ml
Battery	9V alkaline, IEC 6LR61 type
Battery operation	Approximately seven full infusions
Alarms	The T34™ will alarm for the following problems: • Occlusion or syringe empty • Pump paused too long • End programme • End battery • Syringe displaced • Syringe empty
Dimensions	169 x 53 x 23mm
Weight	210g without battery, 274g with battery



Our complete range of specialist infusion devices



Ambulatory Syringe Pump



Ambulatory Syringe Pump



Pain Management Syringe Pump



Ambulatory Infusion Pump



Twin Channel Infusion Pump



Epidural Infusion Pump



Pain Management Infusion Pump



Regional Analgesia Infusion Pump

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Listen > Develop > Deliver

