

CRONO S-PID4 100

REF: PS4AK



Ambulatory infusion pump

INTENDED PURPOSE

CRONO S-PID4 100 is an ambulatory pump for subcutaneous infusions of immunoglobulins.

PUMP DESCRIPTION

CRONO S-PID4 100 is a medical device.

Its small size and reduced weight make **CRONO S-PID4 100** ideal for home use, thus giving the patient the freedom to engage in everyday activities during the treatment.

CRONO S-PID4 100 uses dedicated 100 ml reservoir.

Main technical features of the pump:

- The possibility of choosing from three different operation modes:
 - Time mode (T), with infusion duration setting selectable by the user
 - Flow rate mode (F), with infusion flow rate setting selectable by the user
 - Flow Rate Cycle mode (FRC), with the setting of a ramp composed of several flows that vary at predetermined time intervals
- Bluetooth interface for communication with CronoManagementTouch

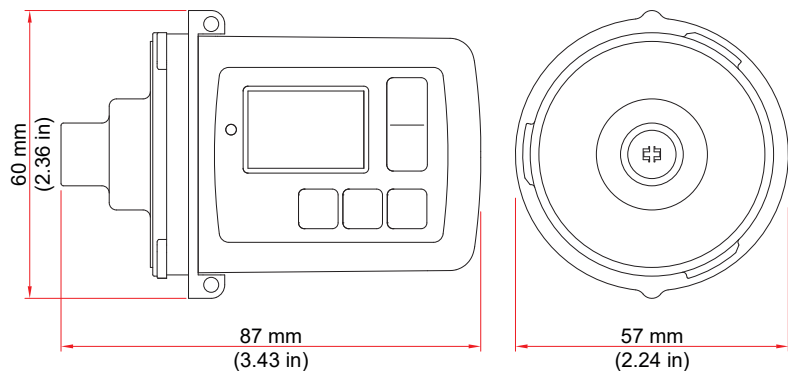
The pusher mechanism acts directly on the plunger of the reservoir, allowing for an accurate administration of the drug.

The pump administers 20 µl shots at intervals which depend on the chosen flow rate. If the programmed flow rate is increased, the time interval between the shots decreases proportionally.

CRONO S-PID4 100 features a graphical OLED display for improved user interaction which shows practical information viewable by the healthcare personnel and the patient about the settings, operation and diagnostics of the pump.

TECHNICAL FEATURES

Dimensions



Weight	140 g (4.94 oz.), including battery	
Power supply	CR123A 3V lithium battery	
Battery life	About 60 infusions	
Display	Colour OLED 96x64 pixels	
Ingress protection	IP 42	
Acoustic signal pressure level	53 dBA +/- 5 dBA	
Data storage	The value settings and counters are retained even without the battery	
Motor	Coreless DC motor, the rotation of which is controlled by an infrared system	
Electronic circuits with twin Microcontrollers	Ensures a more reliable and safer infusion system	
Safety circuits	They monitor the correct functioning by intervening in the event of faults with acoustic signals and messages on the display	
Single-use reservoir	Dedicated reservoir with 100 ml capacity and Luer-Lock universal safety fitting	
Administrable volume	from 1 to 100 ml	
Volume increase	1 ml	
T mode		
Total infusion time	from 20 min to 1 h	from 1 h to 20 h
Programming increment	5 min	15 min
F mode		
Infusion flow rate	from 5 to 10 ml/h	from 10 to 300 ml/h
Programming increment	0.1 ml/h	1 ml/h
FRC mode		
Number of flows	from 2 to 5	
Interval	from 5 to 20 min	
Programming increment	5 min	
Infusion flow rates	from 5 to 10 ml/h	from 10 to 300 ml/h
Programming increment for each previously selected flow	0.1 ml/h	1 ml/h
Flow rate accuracy	+/- 3 %	
Prime volume	from 0.1 to 0.5 ml, repeatable up to a maximum of 3.0 ml	
Maximum occlusion pressure	3.2 bar	
Post-occlusion bolus (ml)	About 4.0 ml	
Warranty	2 years from the date of purchase against any material or manufacturing defects	
Standard equipment	CRONO S-PID4 100 ambulatory pump, Carrying case, Elastic belt, Fabric case, Support strap, 2 Batteries (1 of which in the pump), Accessory for opening the battery compartment, Instructions for use	
Environmental conditions for use	Temperature: +5 ÷ +40 °C Relative humidity: 15% ÷ 90% RH (non-condensing, water vapour partial pressure max 50 hPa) Pressure: 700 ÷ 1060 hPa	
Environmental conditions for storage and transport	Temperature: -25 ÷ +70 °C Relative humidity: 15% ÷ 90% RH	

