

Ambulatory pump

TECHNOLOGY FOR HEALTH



CRONO

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PUMP DESCRIPTION

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CRONO uses 10 and 20 ml dedicated reservoirs.

To improve the absorption of the drugs, CRONO administers 22 µl per shot.

The pusher mechanism, which operates directly on the rubber piston of the reservoir, enables the pump to combine high delivery pressure with excellent precision while administering the drugs.

An innovative infusion control system allows the pump to automatically restart and finish an infusion after an occlusion has been removed.

CRONO is provided with a liquid crystal display (LCD) which shows practical information to the doctor and patient about the settings, operations and diagnostics of the pump.

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TECHNICAL FEATURES

PUMP DIMENSIONS	76 x 49 x 29 mm (3.00 x 1.94 x 1.15 in).
PUMP WEIGHT	115 g (4.06 oz.), including battery.
BATTERY	Lithium CR 123A 3V (battery life approx. 100 infusions).
SINGLE-USE RESERVOIRS	Dedicated, with a 10 and 20 ml capacity and a "Luer-Lock" universal safety attachment.
PARTIAL VOLUME	Selectable, from 1 to 10 ml in 1 ml increments (10 ml reservoir). Selectable, from 1 to 20 ml in 1 ml increments (20 ml reservoir).
DELIVERY TIME	Programmable from: • from 30 min to 1h in steps of 5 min (10 ml reservoir only). • from 1 h to 99 h in steps of 15 min (10 ml and 20 ml reservoir).
AVAILABLE PRIMING VOLUME	1.5 ml.
FLOW RATE PRECISION	+/- 2 %.
OCCCLUSION PRESSURE	6.0 bar +/- 2.0.
SHOT VOLUME	22 microlitres (shot: quantity administered for every rotation of the motor).
POST-OCCCLUSION BOLUS	Approx 1.5 ml.
SETTINGS MEMORY	All settings are automatically stored in a flash memory which is retained even if the device is left without a battery.
DISPLAY	Liquid crystal display (LCD) (1.1 x 2.8 cm; 0.43 x 1.0 in).
MOTOR	Coreless DC motor, the rotation of which is controlled by an infrared system.
SETTINGS LOCK	Two configurable levels.
ELECTRONIC CIRCUIT WITH TWIN MICROCONTROLLERS	Ensures a more reliable and safer infusion system
SAFETY CIRCUITS	These check that the device is functioning correctly, intervening in the event of any anomaly with sounds and messages on the display.
INGRESS PROTECTION RATING	IP 42
EQUIPMENT SUPPLIED	Ambulatory pump, carry case, elastic belt, collar strap, fabric case, 2 batteries, battery-cover opening tool, user manual.
GUARANTEE	Two years for manufacturing defects