

# Ambulatory pump

TECHNOLOGY FOR HEALTH



## **CRONO P**

CRONO P is an ambulatory pump with reservoir, intended for pulsatile subcutaneous administration for long-term treatment with glucocorticoids.

## PUMP DESCRIPTION

CRONO P is an ambulatory pump with reservoir, intended for pulsatile subcutaneous administration for long-term treatment with glucocorticoids.

CRONO P brings together high technology and innovative design. It is small and lightweight, making it ideal for use at home, giving the patients the freedom to go about their daily routine and leisure activities during the therapy.

CRONO P uses dedicated 10 and 20 ml reservoirs.

A mechanism pushes against the reservoir's rubber plunger, enabling the pump to combine high delivery pressure with excellent precision while administering the drug.

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

CRONO P has a liquid crystal display (LCD) which provides the doctor and patient with useful information regarding the settings, operations and diagnostics of the pump.

CRONO P

## 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 10ml or 20ml ml capacity and a "Luer-Lock" universal safety attachment.
PARTIAL VOLUME	From 1 to 10 ml in 1 ml increments (10 ml reservoir); From 1 to 20 ml in 1 ml increments (20 ml reservoir).
BOLUS DOSE VOLUME (D1, D2, D3)	Programmable from: • 5 µl to 1000 µl in 5 µl increments. • d2 and d3 may also be programmed to 0 µl (dose dispensing disabled).
ADMINISTRATION OF BOLUS DOSES (T1, T2, T3)	Programming the starting time for the bolus dose volume changes.
SELECTION OF THE INTERVAL BETWEEN TWO BOLUS DOSES	90 or 180 min.
AVAILABLE PRIMING VOLUME	1.5 ml.
BOLUS DELIVERY ACCURACY	+/- 3 %.
OCCCLUSION PRESSURE	3,5 bar +/- 1,5.
SHOT VOLUME	5 microlitres (shot: quantity administered for every rotation of the motor).
POST-OCCCLUSION BOLUS	Approx 0,8 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, infuser carry-case, elastic belt, collar strap, fabric case, 2 batteries, battery cover opening tool and user guide.
GUARANTEE	Two years for manufacturing defects.