



CRONO 50 SC



PUMP DESCRIPTION

CRONO 50 SC is a new and innovative **PCA** pump that is greatly appreciated by both patients and health professionals for its technical characteristics and reduced size.

CRONO 50 SC is an ambulatory infusion pump for controlled administration of drugs in hospitalised patients or those undergoing home treatment.

The pump is indicated for subcutaneous use allowing 4 administration methods:

1. Continuous;
2. Bolus on request (**PCA**);
3. Clinical bolus (managed by the doctor);
4. Combined (continuous + bolus on request + clinical bolus).

The pump is equipped with a settings lock to prevent incorrect or unauthorised administration.

The liquid crystal display shows practical information to the doctor and patient about the settings, operation and diagnostics of the pump.

TECHNICAL CHARACTERISTICS

Pump dimensions	84 x 55 x 42 mm (3.31 x 2.17 x 1.65 in).
Weight	139 g (including battery).
Battery	3 Volt Lithium battery, mod. 123 A (battery life approximately 100 infusions).
Dedicated single-use reservoirs	With a 50 ml capacity and a "Luer-Lock" universal security attachment.
Partial volume	Selectable, from 1 to 50 ml in 1 ml increments.
Priming function	Only available at the start of the infusion. The maximum volume that can be delivered is 1.5 ml.
Flow rates Selectable	from 0.05 to 5.00 ml/h in 0.01 ml/h increments. It is possible to disable this function by setting 0 ml/h.
Bolus dose	Selectable from 0.10 to 2 ml in 0.02 ml increments. It is possible to disable this function by setting 0 ml.
Clinical bolus	Selectable from 0.10 to 2 ml in 0.02 ml increments. It is possible to disable this function by setting 0 ml.
Minimum interval between bolus doses	Can be selected from 5 min to 24 h in the following ways: - from 5 min to 1 h in 5 min increments; - from 1 h to 24 h in 15 min increments. It is possible to disable this function by setting no,Lt .
Bolus doses in one hour	From 0 to 12 bolus doses. It is possible to disable this function by setting no,Ln .
Flusso precision	+/- 3%.
Maximum occlusion pressure	1,8 bar +/-0,8 (PL1) - 2,2 bar +/-1 (PL2) - 3,2 bar +/-1,2 (PL3).
Setting memory	The settings are automatically entered in a flash memory which is retained (with the exception of the partial syringe volume) even if the battery is removed from the device.
Display	Liquid crystal display (0.43 x 1.1 in, 1.1 x 2.8 cm).
Motor	Coreless DC motor. The microcontroller controls the rotation speed using an infrared encoder.
Safety circuits	They check that the device is functioning correctly, intervening in the event of any anomaly with acoustic signals and messages on the display.
Anti-free-flow safety system	To avoid a non controlled flow inside the delivery set due to the action of the force of gravity.
Supplied standard equipment	Ambulatory infusion pump, infusion pump carry-case, elastic belt, collar strap, fabric case, 2 batteries, battery cover opening tool, 2 user manuals (doctor and patient).



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