

# Crono

ambulatory infusion pump



*user friendly*

**tamper resistant**



*rapid syringe coupling*



CRONO

Distributed by:



Intra Pump Infusion Systems  
920 Minters Chapel Rd, Suite 200  
Grapevine, TX 76051  
Tel: 866.211.7867 (PUMP)  
[www.intrapump.com](http://www.intrapump.com)

Manufactured by:  
Canè s.r.l. Medical Technology  
Via Pavia 105/i  
Rivoli (TO) Italy  
[www.microjet.it](http://www.microjet.it)

Canè S.r.l., a company specialized in the production of ambulatory pumps, have now produced a new generation of compact pumps: Crono, a perfect combination of high technology and innovative design.

Infusion pumps using normal commercial syringes are inevitably cumbersome and thus difficult to use in everyday life, causing in the patients a refuse of the therapy.

A special syringe, integrant part of the Crono, allows an efficient reduction of the pump size. In this way, the patients can freely carry out the therapy at any time of the day, even during their everyday life.

Patients following a therapy for a long time, often experience difficulties in absorbing the drug subcutaneously; this may lead to a catheter occlusion with consequent interruption of the infusion.

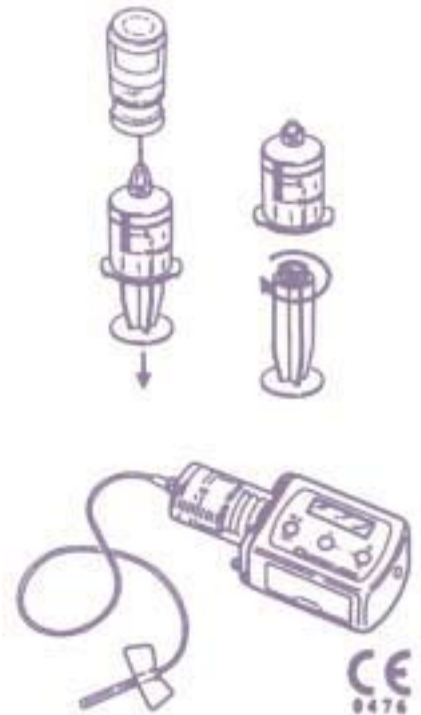
Crono has a particular mechanism which pushes directly the rubber syringe piston: so it is possible to reach a thrust force up to 3 times higher if compared whit conventional pumps.

In case of catheter occlusion, an innovative infusion control system makes it possible to proceed with the infusion automatically and, after the occlusion is eliminated, to complete it.

For a better absorption of the drug, Crono makes the infusion up to 3 times more fractionated as to traditional pumps (22  $\mu$ l per impulse, using a 10/20 ml syringe). Crono is fitted with a liquid crystal display which shows the time it takes to complete the delivery and battery charge status.

TECHNICAL FEATURES

- **Dimensions:** 77 x 47 x 29 mm.
- **Weight:** 115 g (battery included).
- **Syringes:** dedicated with 10 or 20 ml capacity.
- **Battery:** 3Volt type 123 A lithium battery (normal use attained about 6 months life).
- **Delivery time:** programmable from 30 minutes to 99 hours, in 15 minutes steps
- **Volume administration:** drug volume programmable from 1 to 20 ml
- **Storing:** selected data are stored automatically into a memory and maintained even when the device is left without battery.
- **Safety circuits:** to control the regular working of the device sending acoustic signal and displaying error message in case of anomaly.
- **Tamper resistant feature:** Allows the pump to be "locked" by disabling the buttons.
- **Syringe location and actuating mechanism:** built with outstanding material guarantees the maximum of accuracy as well as duration to the system.
- **Micromotor and reduction gear:** high reliability, driven by a particular electronic circuit which assures precision in programming.
- **Accuracy:**  $\pm$  2%
- **Display:** to visualize programmed items and battery status.
- **Equipment supplied as standard:** device case holder, fabric case, elastic belt, sup port string, two batteries, user's guide.
- **Warranty:** two years for any default of manufacture.



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