

# N103

## SYRINGE PUMP

The DARAY **NfuZe**<sup>TM</sup> N103 Syringe Pump is a digitally controlled device for use in most types of intravenous/arterial infusion

The N103 can be fixed to a drip-stand with the clamp provided or simply be placed on a flat surface.

- CHECK function
- Rapid purge
- Occlusion detection
- Automatic syringe size detection
- Extensive alarms
- Power-on self-diagnosis



0800 804 8384

## Accuracy and control

The N103 has a simple and clear display and controls protected by a waterproof membrane.

The device automatically activates self-test, self-diagnosis, and error alert procedures each time it is powered on.

## Rapid purge

Whilst in 'HOLD' mode the driver can be run at high speed to either expel the air from the syringe or to purge the syringe. The rate of purge depends on the size of the syringe fitted.

Syringe size (ml)	Max. flow rate(ml/hr)
20	150
50	300
100	400

## Check function

Pressing the CHECK button displays the volume of medication delivered at any time whilst the device is running.

## Dosage calibration

DIP switches on the underside of the device are provided for calibration to cater for variance between syringes. Choose from -5%, STD (default), +5%, +10% and +20%.

## Powerful choices

The N103 syringe pump operates from an internal battery which is charged when the unit is connected to the mains and powers the unit in the event of mains failure (up to 4 hours with maximum charge at a flow rate of 50ml/hr). Alternatively, the unit can be fed from an external 12V supply.

## Automatic syringe size detection

The N103 automatically detects the size of syringe and controls the rate of flow rate rather than simply regulating the infusion time.

## Extensive alarms

**NEAR EMPTY** - When there is approximately 5ml of medication left, an audible and visual alarm is activated.

**COMPLETE** - When infusion is complete, the operation stops and audible and visual alarms are activated.

**OCCCLUSION** - If occlusion occurs, operation stops. The MUTE button silences the alarm but Infusion can only continue when the alarm condition is cleared.

**LOW BATT** - If the battery runs low, audible and visual alarms are activated. The pump can continue to operate whilst recharging.

## SPECIFICATIONS

Infusion accuracy	± 5% (including syringe accuracy)
Acceptable syringe sizes	20ml, 50ml, 100ml
Flow-rate ranges	0.1ml/hr - 300ml (0.1ml/hr increments)
Operating temperature	5 - 40°C
Relative humidity	80% max.
Power requirements	220V AC 50Hz 25W or 12V DC 25W
Battery duration	4 hrs (at 50 ml/hr flo rate)
Dimensions	335x142x120 mm
Weight	2.5 kg



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### ABOUT DARAY

DARAY have been established in the medical, dental and veterinary markets since 1968 building exceptional and durable products.

We shall continue to innovate; aiming to excel in our endeavours to deliver reliable solutions.

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**HEALTHCARE PRODUCTS**