

Application

- Wireless, battery operated, fully digital user programmable double-head injector for injection of contrast agent and physiological saline solution in the field of angiography, intervention and computed tomography

Injector concept

- Microprocessor controlled double-head injector with electric drive and two injection units
- Multiphase, program controlled injection of contrast agent and physiological saline solution
- Alternatively, single- or multi-injection mode
- Aluminium housing
- Integrated, heated syringe holders for Easy Loading Syringe (ELS) 200 ml
- Motor, control and rechargeable batteries are integrated into a single compact unit
- 10,4" Touch-screen control panel with different languages
- Buttons for manual piston movement (filling and venting)
- Alternatively, display of injection parameters or pressure graph

- Automatic power saving mode

Mechanical design

- Detachable, swivelling injection unit on a mobile column
- Secured injection position at an angle of about 15° below horizontal (built-in sensor), tilt vertically upwards to vent the system
- Hand switch to control the injection
- Total weight: 48 kg

Power supply

- Operation is independent of the mains supply, thanks to high output rechargeable batteries with a capacity sufficient for up to two days' operation
- Input voltage charger: 100 – 240 V, 50 – 60 Hz
- Power consumption charger: < 100 VA

Memory capacity

- 60 injection profiles can be defined and stored by the user

Filling of injection syringes

- Automatic filling via menu with volume input or Manual filling with variable speed

- Filling speed 1 to 8 ml/s
- Optimised high pressure tube systems with check valves

Injection parameters

Maximum injection volume

- 2 x 200 ml

Partial injection volume

- 1 – 200 ml, programmable in 1 ml increments

Maximum injection pressure

- 83 bar (1200 psi), programmable from 5 to 83 bar in 1 bar increments (72.5 to 1200 psi in 14.5 psi increments)

Flow rate of the two injection units

- 0.1 – 30 ml/s, programmable in 0.1 ml/s increments
- Alternatively, input of flow rate or phase duration

Rise time

- 0.1 – 10 s, programmable in 0.1 s increments

Number of phases

- 1 – 3

Injection delay

- 0 – 255 s

Phase delay

- 0 – 255 s

X-ray delay

- 0 – 255 s

Options

- Wireless touch-screen remote control
- Interface



Subject to technical alterations

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MED (**TRON**)[®] AG

Hauptstraße 255

D-66128 Saarbrücken

Phone: +49 681 97017-0

Fax: +49 681 97017-20

E-Mail: info@medtron.com

Internet: www.medtron.com

DIN EN ISO 9001 / DIN EN ISO 13485



Accutron HP-D

ANGIOGRAPHY

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