

# Accutron CT-D

## Technical data

### Application

- Wireless, battery operated, fully digital, user programmable double-head injector for injection of contrast agent and physiological saline solution in the field of computer 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
- Aluminium housing
- Integrated heatable syringe holders for Easy Loading Syringe (ELS) 200 ml
- Keep-Vein-Open (KVO) feature
- Motor, control and rechargeable batteries are integrated into a single compact unit
- Touch-screen control panel with different languages
- Alternatively, display of injection parameters or pressure graph
- Hand switch to start and stop the injection
- Buttons for manual piston movement, starting and stopping the injection
- Automatic power saving mode

### Mechanical design

- Detachable, swivelling injection unit on a mobile column stand
- Secured injection position: injection position at an angle of about 15° below horizontal (built-in sensor), tilt vertically upwards to vent the system
- Total weight: 26 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

- 80 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 5 ml/s
- Optimised high pressure tube systems with check valves

### Injection parameters

#### Maximum injection volume

- 2 x 200 ml

#### Partial injection volume

- 1 to 200 ml, programmable in steps of 1 ml

#### Maximum pressure

- 21 bar (304 psi), programmable from 5 to 21 bar in increments of 1 bar (72.5 to 304 psi in 14.5 increments)

#### Flow rate of the two injection units

- 0.1 – 10 ml/s, programmable in steps of 0.1 s
- Alternatively, input of flow rate or phase duration

#### Number of phases

- 1 to 6

#### Injection delay

- 0 – 255 s

#### Phase delay

- 0 – 255 s

#### Scan delay

- 0 – 255 s

#### Remote control

- Wireless touch-screen remote control
- Alternatively, display of injection parameters or pressure graph

### Options

- Use of prefilled syringes
- Interface/CANopen Interface
- Ceiling suspension
- Power supply unit for continuous operation



Subject to technical alterations

© 2009 MEDTRON AG

MEDTRON<sup>®</sup> 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 CT-D



COMPUTED TOMOGRAPHY

0 40 0 2.0

Accutron CT-D

