

# **Technical specification / Features**

### technical parameters

• Amplitude: 0.1 - 20V

• Pulse duration: 0.7ms (atrium) / 0.5ms (ventricle)

Sensitivity: 0.1 - 20mV (atrium) / 1 - 20mV (ventricle)
 Pulse rate: 30 - 250ppm / high rate: up to 1000ppm

· Start mode storable

#### PACE T20 exclusive:

• Refractory time: 400 - 200ms (single chamber modes)

225 - 175ms (dual chamber modes)

· TARP for all dual chamber modes

• AV-delay: 15 - 300ms

• PVARP: 100 - 500ms (automatic or manual setting)

• weight: 365g

#### PACE T20 exclusive:

· Refractory time: 400 - 300ms (AXX modes)

250ms (VX modes)

• weight: 285g

## Safety features

- Emergancy stimulation (V00/ 10V/ 80ppm)
- Backup stimulation (VVI/ 40ppm)
- · Backup battery

#### All products are made in Germany!

## Accessories and contact

article
PACE T10 / Pace T20 external pacmaker
2x AA batteries
protection cover
patient cables
PACE T user manual

For more information regarding accessories and ordering contact livetec or your dedicated distributor.

### engineered & manufactured by:

livetec Ingenieurbuero GmbH Marie-Curie-Straße 8 · 79539 Loerrach · Germany www.livetec.de

Visit our website for other inovative products and more information: www.livetec.de

#### RF liveCATH ablation system:



#### liveECG wireless Holter-ECG:

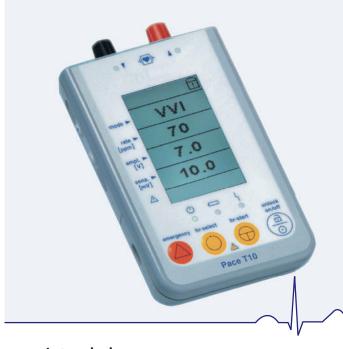




**livePACE**PACE T10 / PACE T20
external temporary
pacemakers











## Intended use

### intended use

- The PACE T10 and PACE T20 are intended for a temporary application < 30 days as follows:</li>
- At pre-operative and operative stimulation of patients during an implantation or during exchange of an implantable pacemaker
- · During and after heart surgical treatment
- · For temporary therapy of bradycardia or tachycardia
- · For therapy of dysrhythmia for certain myocardial infarction
- During an external emergancy stimulation
- Depending on the chosen stimulation mode pacing and sensing occurs by transvenous applied atrial and/or pacing electrodes or myocardial heart wires
- All electrodes or heart wires with diameter from 0.9 mm to
   2.1 mm are suitable for application

# Stimulations modes / features

#### T10 modes:

A00, AAI, AAT, V00, VVI, VVT, high rate, emergancy, 0S0

#### T20 modes:

- A00, AAI, AAT, V00, VVI, VVT, DDD, DDI, DVI, DAI, D00, DDT, VDD, VAT, high rate, emergancy, 0D0
- · Direct high rate mode 400 ppm
- · Selectable switch on mode
- Automatic slow down high rate to defined heart rate
- Automatic and manual programming of TARP, AV-delay, PVARP and MTR
- Touch screen system, easy to use, self-explenatory
- · Easy locking of functions against unintended use
- · Very small effort for cleaning and disinfection

# Significant product features and accessories

#### significant product features

- · Up to 20V output / digital precision
- · Electrically isolated outputs
- · Biphasic pulse neutralize electric charge on the electrodes
- Standard AA size batteries
- Backup battery system allows stress-free replacement of the batteries during pacing
- Collet range: 0.9 2.1 mm
- Defribrillator protection 5kV
- · Energy-saving and illuminated LCD
- Operating time: T10 > 200h / T20 > 150h
- · Protection cover for rough usage
- · Easy fixable to patient or bed

#### accessorie

- · Protection cover for rough usage and fixation at patient bed
- livetec resterilizable patient cables
- FIAB: disposable and restirilizable patient cables, electrodes and heart wires

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