

## Pain-Therapy (TENS)



... the + of freedom



- 12 pre-set programs, incl. 3 programs in “Dense-Disperse-Mode” according to Prof. Han
- 3 additional five-phase custom programs
- 5 different modes (continuous, modulated, burst, Han and work/rest)
- Two channels
- Time setting from 1 min. to 10 hours
- Time count down monitored on LCD screen
- Automatic switch off after 4 minutes if unit is not in use
- Quick view to the most important treatment data or detailed control of each session of the last 60 days of treatment
- Real Time Clock (RTC)
- High safety level to protect the user
- **CE 0123**

### TENS is available in three different treatment modes:

**1. Continuous Tens (CONT):** Continuous or conventional TENS is the most common mode for TENS. Electrical impulses are transmitted to the skin via electrodes to interfere with the sensation of pain by blocking the nerves transmitting the pain sensation to the brain.

**1.1 Dense-Disperse-Stimulation (CONT + BURST)** developed by Prof. Han is a special kind of continuous mode TENS. The frequency alternates between 2 Hz and 100 Hz in a short rhythm (2 – 4 secs.). This mode raises the output of different analgesic substances.

**2. Modulated Tens (MOD):** Changes the parameters (frequency and pulse width) providing a sensation of increasing and decreasing current. The modulated current helps prevent nerve accommodation that some patients experience when using continuous mode TENS.

**3. Burst (BURST):** Burst mode transmits 9 pulses twice per second. This artificially produced frequency of 2 Hz helps to increase the production of the body’s own endorphins and helps relieve pain in a more natural way.

### Technical Data:

- Dual channel: individually isolated circuits
- Waveform: Asymmetrical, rectangular, bi-phasic with zero DC current
- Amplitude: 0 – 90 mA, Type: Constant Current
- Pulse width: 50 µS – 450 µS
- Pulse rate: 1 – 200 Hz
- Ramp up/down time: 0.1 – 9.9 seconds

### 1 Set DoloBravo: (REF-Nr. 010E-001)

- 1 DoloBravo
- 2 lead wires to connect 2 pairs of electrodes
- 4 self-adhesive electrodes (40 x 40 mm)
- 4 batteries type AA
- 1 operators manual
- 1 carrying case