

Testing system for function tests of defibrillators, external cardiac pacemakers and ECG simulation in accordance to IEC 60601-2-4 / IEC 60601-2-31

- ☑ single-, dual- and triple-circuit cardiac pacemakers
- ☑ polarity independent measurement of defi-impulses
- ☑ graphical display of the discharge plot
- ☑ touch screen or PC control
- ☑ ECG output for all ECG revulsions
- ☑ stop clock function for charge and discharge times
- ☑ user specific language settings

Test and measurement technic for medicine and industry





Technical Data

Line voltage: 18 V (external power supply) error range DEFI or internal accumulator operation Rated capacity: max. 25 VA Load resistance: 50 Ohm + 1 % 0 – 1000 Joule Protection class: internal power supply Energy + 1 Joule or + 1 % of. measurement value Environmental temperature: +5 - +40 °C Pulse width: 0 - 48 ms± 0.1 ms or ± 2 % of Storage temperature: -10 - +50 °C measurement value Pulse delay time: 0 - 100 ms \pm 0,1 ms or \pm 2 % of Function: measurement value DEFI asynchronously, synchronously, biphasic PACE Load resistance: Load resistance: 50 -150 Ohm ± 2 % Range1 ± 850 V Measurement range: 200 -1600 Ohm ± 1 % Range2 ± 4400 V Pulse voltage: 0,1 - 300 V \pm 0,1 V or \pm 5 % of 0 - 80 Ameasurement value 0 - 1000 JPulse length: 0,1 - 250 ms \pm 1 ms or \pm 5 % of 1 V Sensitivity: measurement value Measurement duration: 48 ms, dt 20 µs (50,0 kHz) Frequency measuring: 30 - 800 BPM \pm 1 BPM or \pm 0,5 % of Display: 6, 12, 24, 48 ms measurement value \pm 5 % ECG amplitude: 1 - 25 mV PACE transthoracic, intracardial Delay time: 5 - 400 ms \pm 5 % Load resistance: 50 - 1600 Ohm in 50 Ohm steps Demand frequency: 55 - 100 BPM ± 1 % Measurement range: Range1 ± 30 V Range2 ± 300 V 30 - 800 BPM Inhibition frequency: 55 - 100 BPM ± 1 % 50 - 400 ms Refractory time: ± 10 % Frequency measurement: 0,5 - 25 mV 5 - 400 ms Sensitivity: \pm 10 % Delay time: Demand frequency: 55 - 65 BPM Inhibition frequency: 55 - 65 BPM Testing device Refractory time: 50 - 400 ms connection: Sensitivity: 0.5 - 25 mV DEFI 2 Paddle sensor components with 2148 ms, dt 33 μ s (30,3 kHz) Measurement duration: integrated 4 mm sockets PACE 6 x 4 mm sockets Display: 8, 16, 32, 64 ms **ECG** 10 x 4 mm sockets 12 channel ECG Pulse forms: sine, sine square, triangle, rectangle, Accessories: 1 x charger trapeze, ISO, ventricular fibrillations (VF), 10 x STA8 ECG adapter clip ventricular tachykardie (VT), line frequency, 1 x USB cable type A Mechanical data: Light weight metal case IP20

Dimensions:

Selectable languages:

Weight:

DP-600 is a defibrillator testing system for functional tests of defibrillators, external cardiac pacemakers and is useful as a test generator for the Electro-Cardiogram (ECG) functions. It can be operated with power adapter and with internal accumulators.

4.3" TFT-Display

1 x USB 3.0, without charging function

Touch panel

Digital display:

Operation:

Interface

The defibrillator testing system can be used as a stand-alone device, but also in connection with the PC.

The DP-600, as a defibrillator testing device, is in use for the functional testing of external monophasic, biphasic and pulsed biphasic defibrillators. The delivered defibrillator energy is measured on a load resistance of 50 Ohm. Furthermore the voltage curve can be graphically displayed. The tests can be done polarity independent in the synchronous and asynchronous mode.

Synchronous mode differs between paddle synchronous and monitor synchronous defibrillators.

235 x 90 x 330 mm (W x H x D)

german, english, french, polish,

spanish, italian, portuguese, turkish

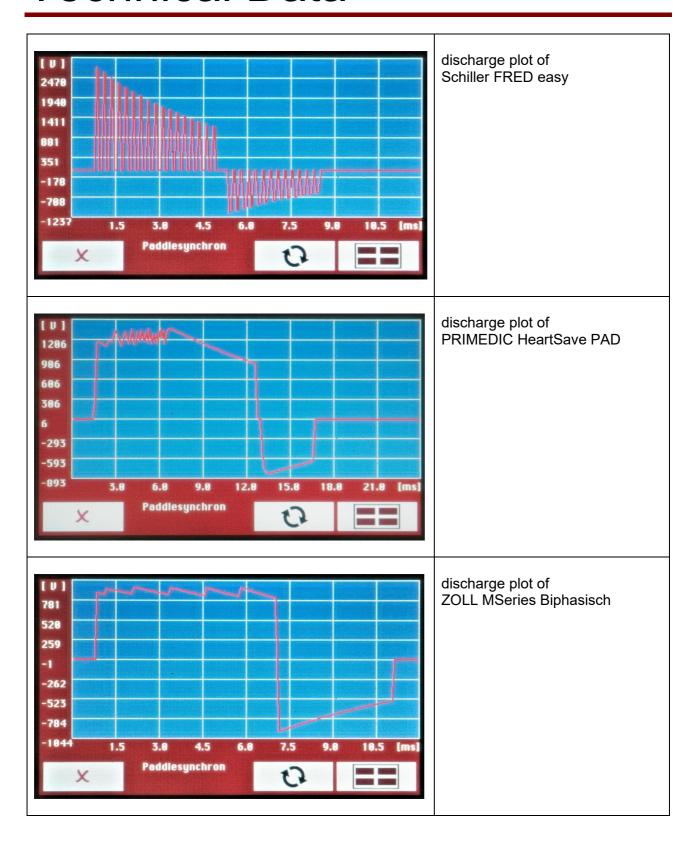
approx. 2,5 kg

DP-600, as a cardiac pacemaker testing device, serves for the functional testing of external single, dual or triple circuit cardiac pacemakers for intracardial or transthoracic stimulation, operating with asynchronous or demand pulses. The pulse amplitude, the pulse time, the pulse frequency and the delay time (AV / VV) could be measured. Furthermore the voltage curve can be graphically displayed. The refractory time, the sensitivity as well as the demand and inhibition frequency are automatically determined by means of the generated test signal.

ECG stimulation serves for ECG impulse output to defibrillators and ECG. The pulse parameters are variable.

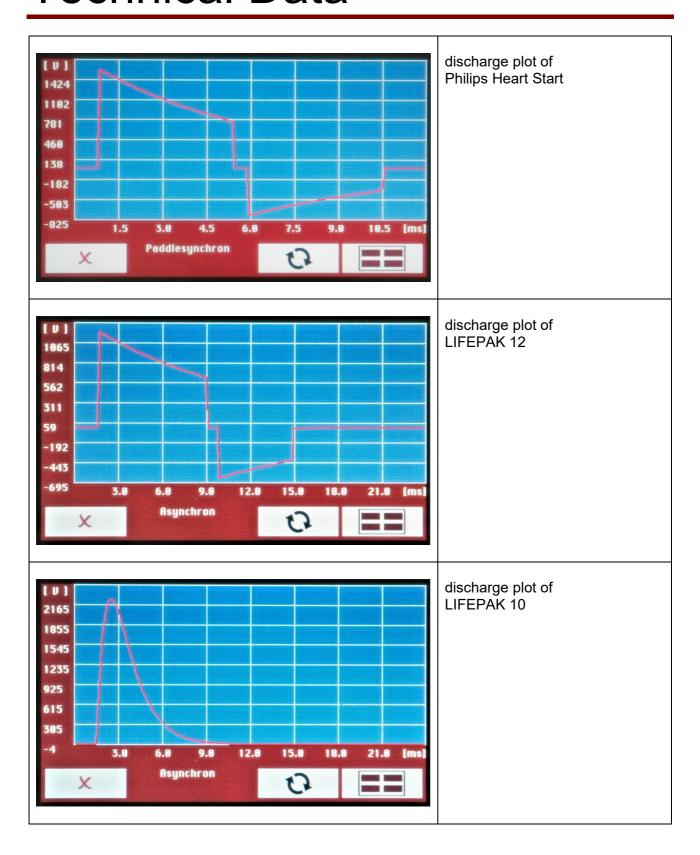
(The specified measuring accuracy refers to the measuring element. Technical modifications and errors reserved. 09/2020)

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