



The **Medtronic 5388** is a dual-chamber temporary pacemaker that provides eight different types of modes for pacing therapy. This Medtronic pacemaker is battery-powered and usually connected to transvenous, epicardial, or myocardial pacing leads. It can be used for temporary single or dual-chamber pacing. Its constant current device, the pulse emitted from the device stays at a constant value.

Features

- Operates with a 9V alkaline or lithium battery.
- DDD, DVI, DDI, DOO, VOO, VVI, AOO, and AAI pacing therapy modes.
- Compatible with Medtronic 5433A, Medtronic M5433V, Medtronic 5832, Medtronic 5832S pacing and surgical cables.



Specifications

Dimensions

Height: 8.3 in. (21.1 cm) $\pm$ 15%

Width: 3.2 in. (8.1 cm) $\pm$ 15%

Depth (without dials): 1.4 in. (3.6 cm) $\pm$ 15%

Weight (with battery): 510 g (18 oz.) maximum

Battery

Type: 9 V Alkaline, type 6LR61, type 6F22E, NEDA 1604A; 9 V Lithium, NEDA 1604LC (Ultralife U9VL or equivalent)

Life: 9 days typical, 7 days minimum (alkaline), or 16 days (lithium)

Modes

Modes: AOO, AAI, VOO, VVI, DOO, DDD, DDI, DVI

Rates

Base Rate: 30 – 200 min⁻¹ ± 5%

Rapid Atrial Pacing Rate: 80 – 800 min⁻¹ ± 5%

Pulse Width

Atrial: 1.0 ms $\pm$ 10%

Ventricular: 1.5 ms $\pm$ 10%

Sensitivity

Atrial ASYNC: 0.4 – 10 mV $\pm$ 0.3 mV or 25%

Ventricular ASYNC: $0.8 - 20 \text{ mV} \pm 0.3 \text{ mV}$ or 25%

A-V Interval

Auto: 50 – 250 ms

Manual: 20 – 300 ms $\pm$ 5 ms or 5%

Refractory Period

Atrial (At atrial event): 250 ms $\pm$ 10%

Ventricular: 250 ms $\pm$ 10%

Upper Rate

Auto (base rate): + 30 min⁻¹ ± 10%

Manual: 80 – 230 min-1 ± 10%

Rate Limit

A crystal is used to set the pacing rate. If the crystal rate deviates from the appropriate value, the rate runaway protection circuit resets the device once. If the crystal rate remains incorrect, the rate runaway protection circuit turns the device off.

Temperature Conditions

Operating: 64°F to 92°F (17°C to 33°C)

Storage (without battery): -40°F to 158°F (-40°C to 70°C)

