

MEDTRONIC 5388 DUAL CHANNEL



ABOUT

The Medtronic 5388 is a temporary dual-chamber pacemaker that offers eight different pacing modes. It is battery-powered and typically connected to transvenous, epicardial, or myocardial leads. Suitable for temporary single or dual-chamber pacing, this device delivers a consistent pulse thanks to its constant current feature. Medtronic also provides other dual-chamber pacemakers, such as the Medtronic 5392.

FEATURES

Reliable temporary pacing solution: short-term single- or dual-chamber cardiac pacing in critical care and perioperative settings.

Eight versatile pacing modes: supports DDD, DVI, DDI, DOO, VOO, VVI, AOO, and AAI to accommodate diverse clinical pacing requirements.

Consistent pulse delivery: constant current technology ensures stable and predictable pacing output despite changes in lead impedance.

Battery-powered operation: uses a standard 9V alkaline or lithium battery for portable power without external connections.

Flexible lead compatibility: connects to transvenous, epicardial, or myocardial leads for broad procedural adaptability.

Extensive cable compatibility: Works seamlessly with Medtronic 5433A, M5433V, 5832, and 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)

SPECIFICATIONS



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 ± 10%

Ventricular: 1.5 ms ± 10%

SENSITIVITY

Atrial ASYNC: 0.4 – 10 mV ± 0.3 mV or 25%

Ventricular ASYNC: 0.8 – 20 mV ± 0.3 mV or 25%

A-V INTERVAL

Auto: 50 – 250 ms

Manual: 20 – 300 ms ± 5 ms or 5%

REFRACTORY PERIOD

Atrial (At atrial event): 250 ms ± 10%

Ventricular: 250 ms ± 10%

UPPER RATE

Auto (base rate): + 30 min⁻¹ ± 10%

Manual: 80 – 230 min⁻¹ ± 10%

RATE LIMIT

A crystal sets the pacing rate. If it deviates, the protection circuit resets the device once. If it remains incorrect, the 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)