

FLUKE®

Biomedical

Defibrillator, AED, and Pacemaker Testing





Impulse 7000DP

Defibrillator Tester, External Pace Analyzer

The Impulse 7000DP is a combination Defibrillator/Transcutaneous Pacemaker Analyzer that is portable, rugged, and easy-to-carry.

- Deliver any energy or waveform (monophasic, biphasic, pulsed-biphasic and more) and the Impulse 7000DP shows what it measured
- Properly tests all defibrillator and AED devices (including shock advisory)
- Ensure proper loads used for testing with built-in Pacer brand selections
- Precise accuracy measurements to $\pm 1\%$ of reading + 0.1 Joule

All-in-one defibrillator/AED testing system

The TA-IMP7K/7010 testing system is composed of **three** products that ensure that critical life-support cardiac resuscitation equipment performs properly, each and every time.



7010

Selectable Load Box

The 7010 Load Box and Impulse 7000DP work as a system to replicate all possible human variations and ensure patient safety.

- Replicates all patient transthoracic impedance loads from infants to overweight adults
- Simulates user-selectable impedances as high as 200 ohms accurately
- Meets all defibrillator quality testing standards (IEC 60601-2-4 and AAMI DF80)
- Compatible with the Impulse 7000DP only

Ansur

Test Automation Software

Ansur software makes creation and streamlining of standard work possible for medical device inspections using a single human interface.

- Preset test sequences already loaded for quick automated testing
- Reduces human error and decreases test time
- Improves data collection and reporting consistency
- Ensures compliance with OEM requirements



Impulse 6000D Defibrillator Analyzer

If you don't need a pacemaker analyzer, this is your device. The Impulse 6000D is a quintessential defibrillator analyzer featuring the exact functionality of the 7000DP, with the exception of pacemaker testing.

- Deliver any energy or waveform (monophasic, biphasic, pulsed-biphasic and more) and the Impulse 6000D shows what it measured
- Properly tests all defibrillator and AED devices (including Shock Advisory)
- Precise accuracy measurements to $\pm 1\%$ of reading + 0.1 Joule

Accurate. Versatile. Trustworthy.

Both the Impulse 7000DP and 6000D can be used with Ansur PC-based test automation software in order to standardize test procedures, capture waveforms and test results, and evolve with increasing requirements for electronic data storage and printing.

SigmaPace™ 1000* External Pacemaker Analyzer

The SigmaPace™ 1000 is a powerful, handheld tool capable of testing both transcutaneous and transvenous external pacemakers. With a comprehensive range of test suites, measurement algorithms and test loads, this device fulfills your testing requirements both quickly and efficiently.

- Tests both transcutaneous and transvenous external pacemakers
- Full range of user-selectable measurement algorithms
- Dual-channel signal acquisition for capturing synchronous AV-sequential pulse data
- Interactive pacemaker and ECG simulation with five-lead output
- Features include dc static/dynamic leakage and tests
- Interactive pacemaker and ECG simulation with five-lead output
- Features include dc static/dynamic leakage and current drain tests

*This product is not available where CE mark is required



Can't decide?

Use our comparison chart for easy reference.

	Impulse 7000DP	Impulse 6000D	SigmaPace™ 1000
Accuracy (Energy measurement)	± 1 %	± 1 %	± 5 %
Default patient test load	50 Ω	50 Ω	500 Ω
External pacer tests	Yes	No	Yes
Mono-, bi- and pulsed bi-phasic energy measurement	Yes	Yes	No
Non-inductive resistor	Yes (<2 μH)	Yes (<2 μH)	No
Protection of pacer input against accidental defibrillation	Yes	No, unable to test pacers	No
Test variable patient loads	Yes, with 7010 Load Box	No	Yes
Tests transcutaneous and transvenous external pacemakers	No	No	Yes
Selectable measurement algorithms, test loads for external pacemakers	Yes	No	Yes
Exclusive readout "HOLD" function	No	No	Yes
DC/static/dynamic leakage, and current drain	No	No	Yes
Capable of testing ECG	Yes, 10-lead	Yes, 10-lead	Yes, 5-lead
Ansur automatic testing compatibility	Yes	Yes	No

Fluke Biomedical.

Trusted for the measurements that matter.

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6045 Cochran Road
Cleveland, OH 44139-3303 U.S.A.

For more information, contact us at:

(800) 850-4608 or Fax (440) 349-2307
Email: sales@flukebiomedical.com
Web access: www.flukebiomedical.com

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