

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.

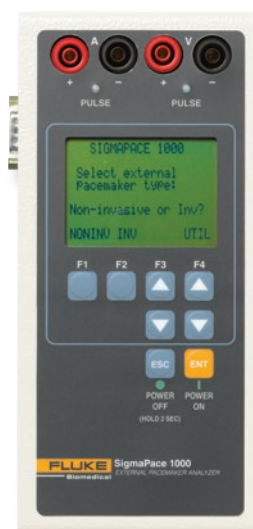
Both the Impulse 7000DP and 6000D can be used with Ansur PC-based test automation software in order to standardize test procedures, capture waveforms and test results, and evolve with increasing requirements for electronic data storage and printing.

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 |
| Ansul automatic testing compatibility | Yes | Yes | No |

Fluke Biomedical.

Trusted for the measurements that matter.

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