

ULT800

Ultrasound Transducer Leakage Tester

Technical Data



ULT800 tests the electrical safety of ultrasound transducers independent of their ultrasound machines. A variety of adapters allow for testing of many different makes and models, including transesophageal echocardiography (TEE) transducers.

With the ULT800, transducer testing easily fits into routine disinfecting procedures. Technicians conduct the tests in a cleaning basin at the beginning of the day and between patients. If a transducer is electrically safe for patient use, the green PASS lamp lights. If a transducer fails the leakage-current test, the red FAIL lamp lights. The device is so simple to use even non-technical medical personnel, such as sonographers and central sterile-supply technicians, can perform the tests.

The ULT800 is available by itself or as a kit, which includes two transducer adapters, a dual-conductivity electrode, and carrying case.

Key Features

- Handheld
- Stand-alone operation
- Direct measurement of leakage current
- Battery-operated
- Independent of 120 V or 240 V systems
- Built-in self-test circuit
- Auto shut-off to conserve battery

Technical Specifications

Power

9 V alkaline battery, approximately 1000 uses per battery

Conductivity

Limit To Pass: > 133 μ A + 1 %

Leakage

Limit To Pass: < 185 μ A + 1 %; > 20 μ A + 1 %

Dimensions

6.5 in L x 3.7 in W x 1.5 in H
(17 cm L x 10 cm W x 4 cm H)

Weight

0.75 lb (0.34 kg)

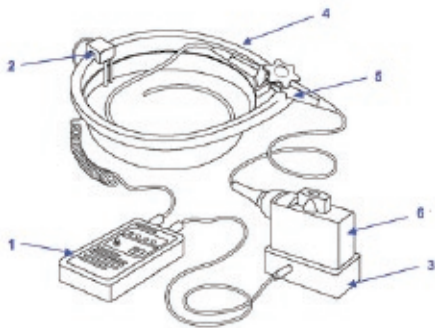
Temperature

Operating: 59 °F to 104 °F (15 °C to 40 °C),
Storage: 59 °F to 149 °F (15 °C to 65 °C)

Humidity

90 % max

Using the ULT800 with a disinfecting/testing tray and the 600/220 Dual Conductivity Probe to test a TEE transducer.



Component Key:

- 1: ULT800
- 2: 600/220 Dual-conductivity probe
- 3: Ultrasound transducer adapter (to match the transducer being tested)
- 4: Disinfecting/testing tray
- 5: Ultrasound transducer under test
- 6: Ultrasound transducer connection block

About Fluke Biomedical

Fluke Biomedical is the world's leading manufacturer of quality biomedical test and simulation products. In addition, Fluke Biomedical provides the latest medical imaging and oncology quality-assurance solutions for regulatory compliance.

Today, biomedical personnel must meet the increasing regulatory pressures, higher quality standards, and rapid technological growth, while performing their work faster and more efficiently than ever. Fluke Biomedical provides a diverse range of software and hardware tools to meet today's challenges.

Fluke Biomedical Regulatory Commitment

As a medical device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 certified and our products are:

- FDA Compliant
- CE Certified, where required
- NIST Traceable and Calibrated
- UL, CSA, ETL Certified, where required
- NRC Compliant, where required

Ordering Information

Model

2434187: ULT800 Ultrasound Transducer Leakage Tester

Kits

2491569: Cust1 Ultrasound Transducer Leakage Tester Kit: Includes ULT800 (2491569), dual-conductivity electrode (2392502), and hard-sided carrying case (2392525)

2491578: Cust2 Ultrasound Transducer Leakage Tester Kit: Includes ULT800 (2491569), dual-conductivity electrode for Cidex 2032 tray (2392569), and Cidex 2032 tray and storage foam kit (2231001)

Optional Accessories

2392502: Dual conductivity electrode

2392525: Hard-sided carrying case

2392569: Dual conductivity electrode – for use with Cidex 2032 tray

2392319: Cidex 2032 cleaning/testing basin

2392600: Storage foam kit insert

2392533: Conductivity adapter cable for PCI GUS cleaning

2231616: Universal ultrasound probe for DALE601 and DALE601E

2392427: Chassis ground probe for DALE601/DALE601E

2231001: Cidex® 2032 tray and storage foam kit

Ultrasound Transducer Adapters

2392430: Acuson/Siemens ultrasound transducer adapter for Acuson 156 and V510B transducers

2392578: Acuson/Siemens ultrasound transducer adapter for Acuson 260 transducers

2231811: Acuson/Siemens ultrasound transducer adapter for Acuson 360 transducers

2392591: Acuson/Siemens ultrasound transducer adapter for Acuson MP and 3V2c transducers

2392516: Acuson/Toshiba ultrasound transducer adapter for Acuson XP, Acuson Aspen, Acuson Capasee, Acuson 3-Needle Guide C3, ATL 3.5 DFT, Toshiba PSF-37HT, and Toshiba F Series transducers

2392482: HP/Agilent ultrasound transducer adapter (600/210)

2392494: HP/Agilent ultrasound transducer adapter (600/211)

2392475: GE LogiQ ultrasound transducer adapter (600/204)

2231602: GE LogiQ ultrasound transducer adapter (600/205)

2392453: GE YMS/RT ultrasound transducer adapter for GE YMS/RT transducers

2392466: GE CGR ultrasound transducer adapter for GE CGR radius and GE SONO transducers

2392540: Hitachi ultrasound transducer adapter

2392557: Philips (ATL/600/218)

2540999: SonoSite TEE

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