

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. Simple Pass/Fail indicators make it 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 µA + 1 %

Leakage

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

Dimensions (WxDxH)

10 cm x 17 cm x 4 cm
(3.7 in x 6.5 in x 1.5 in)

Weight

0.34 kg (0.75 lb)

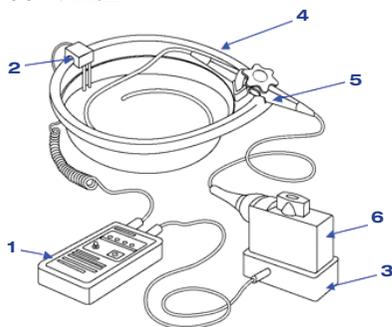
Temperature

Operating: 15 °C to 40 °C
(59 °F to 104 °F)

Storage: 15 °C to 65 °C
(59 °F to 149 °F)

Humidity

90 % max



Using the ULT800 with 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

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)

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
- 2649837** 800-PHILIPS-04 Tee adapter-Philips Ie33/iU22
- 3083161** 600/216A Ultrasound Transducer Adapter (ALOKA), English
- 2392557** Philips Ultrasound Transducer Adapter (ATL/600/218)
- 2540999** SonoSite TEE Ultrasound Transducer Adapter (for use with all SonoSite Transducers-including TEE)

Optional accessories

- 2392502** Dual Conductivity Electrode
- 2392525** Hard-Sided Carrying Case
- 2392569** Dual Conductivity Electrode—for use with Cidex 2032 Tray
- 2558630** 800-Cleaning Tub—cleaning tub/lid with foam and box
- 2801776** 600/220PLUS, Dual Conductivity Electrode for use with 800-Cleaning Tub
- 2392533** Conductivity Adapter Cable for PCI GUS Cleaning
- 2231616** Universal Ultrasound Probe for DALE601 and DALE601E
- 2392427** Chassis Ground Probe for DALE601/DALE601E2231001: Cidex® 2032 Tray and StorageFoam Kit
- 2743055** 800-Cleaning Tub, Cleaning/Testing Basin for ULT800 Testing System

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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.

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- NRC Compliant, where required