



ULTRASOUND LEAKAGE TESTERS

iTEST™ / iTEST PRO™

Advanced Electrical Safety Analyzer

Product Description: The iTest™ and iTest PRO™ are specifically designed to test the electrical safety of all types of diagnostic ultrasound transducers, totally independent of the ultrasound machines on which they are typically used. Although the iTest™ and iTest PRO™ can be used on virtually any type of ultrasound transducer, they are especially recommended in the testing of TEE (Transesophageal Echocardiography) transducers prior to each use; as recommended by many TEE ultrasound device manufacturers. The iTest™ and iTest PRO™ test the integrity of the outer insulation barrier of the transducer as well as the capacitive leakage currents that exist.

The iTest™ and iTest PRO™ are the most advanced instrument of their kind on the market today and add a totally new dimension to diagnostic ultrasound transducer electrical safety testing. With features and functionality that far surpass competitive products from other manufacturers, the iTest™ and iTest PRO™ are easy to set up



and use. Operating modes include a simple PASS/FAIL mode as well as a QUANTITATIVE mode that offers actual readings. The iTest™ and iTest PRO™ can also print test results to an optional printer. Compatibility with Dale Technology DALE601, Fluke Biomedical® ULT800 adapters and Dual Conductivity Probes allow you to upgrade to the very latest technology platform, while safeguarding any prior investment in adapters and probes.

*Contact Sonora Medical Systems today to
schedule a demo*



iTest™ / iTest Pro™ SPECIFICATIONS:

The iTest™ and iTest Pro™ are microprocessor based Ultrasound Transducer Leakage testers. The iTest™ measures both the conductivity of the cleaning medium and the leakage current of the ultrasound transducer. The iTest Pro™ also offers a meter mode and a datalog of memory for storing prior test results.

iTest™ and iTest Pro™ Basic Features

- Large graphics display with cursor selection of options and setup parameters.
- User selectable challenge (test) voltage, 90 to 275 VAC.
- User selectable challenge (test) frequency, 50 or 60 HZ.
- User selectable test limits by transducer manufacturer and model.
- 1% FS measurement accuracy
- Automatic internal self test
- Single button activated full system test
- Simple Pass/Fail mode available
- Analytical mode available
- Digital calibration
- User selectable display options
- Battery life display (0% to 100%)
- Programmable backlight timer
- Adjustable contrast
- Upgradeable firmware
- RS232 port and PC software available
- Printer output port with programmable user header
- Real time clock
- Compatible with Dale technology and Fluke transducer adapters and dual conductivity probes.
- Meter mode (iTest Pro™ only)
- Programmable challenge (test) voltage and frequency (iTest Pro™ only)
- Programmable meter timer (iTest Pro™ only)
- Datalog with storage of 99 test records (iTest Pro™ only)

SOURCE VOLTAGE	90-275 VAC, +/- 1% FS
LEAKAGE CURRENT	0.50 – 10.00 μ A, +/- 1% FS 10.0 – 250.0 μ A, +/- 1% FS 250 – 5000 μ A, +/- 1% FS
CONDUCTIVITY CURRENT	.5 – 500 μ A, +/- 1% FS
DISPLAY	LCD Graphical 128 x 64 Pixels
SETUP MEMORY	EEPROM, All Parameters
MEMORY RETENTION	10 Years w/o Power
OPERATING RANGE	15 to 30 Degrees C
STORAGE RANGE	-40 to 60 Degrees C
CONSTRUCTION	Enclosure – ABS Plastic Face – Lexan, Back Printed
SIZE	7.09 x 3.94 x 1.56 inches 180 x 100 x 40 mm (H x W x D)
WEIGHT	< 1.1 lbs. (0.675 kg)
CONNECTIONS	Power – 2.1 mm Center Negative
POWER	LINE: 10VDC, Center Negative BATTERY: 9V Lithium
POWER CONSUMPTION	ON: less than 300mA OFF: less than 60 μ A
BATTERY LIFE	CONTINUOUS: 20 hrs. OFF: 12 months
AC Power Adapter (OPTIONAL)	BC20 – 2100 – US BC20 – 21101 – Euro 10V, 300 mA DC

