

TT-2D[©]

Digital Transducer Test Set

New Product!

NOW YOU CAN TEST:

- ✓ Piezoelectric transducers.
- ✓ Transformer coupled transducers.
- ✓ Magnetostrictive transducers.

Check transducers for proper operation

Determine if a transducer is good or bad within seconds.

Extended Frequency Range

500 Hz to over **600 KHz**. Covers survey, special purpose sonar and acoustic transducers.

Read transducer impedance

Direct display of computed transducer impedance.

Accurate Frequency Readout.

Displays resonant frequency within 10 Hz..

Load Reactance Indicator

Display indicates reactive component of the transducer as frequency is varied.

Leakage Indicator

Detect leakage in the transducer and associated wiring.

How it Works

As the frequency is varied the voltage at the attached transducer is monitored and compared to the voltage generated internally in the **TT-2D**. Each cycle of the waveform is sampled at three different points. The resulting voltages are converted to digital form and sent to the microprocessor. If the transducer is good these voltages will vary in a unique manner about the resonant point. Based on this information the microprocessor will compute and display the transducer's impedance and reactance. Additionally, the DC resistance of the transducer and associated wiring are checked for continuity and leakage.

Using the TT-2D

Connect a transducer to the **xducer** jack. Turn the power on and rotate the frequency controls until the LED brightness peaks, indicating a resonant point. Read the frequency and impedance. Press a button to check for continuity/leakage. If the resonant frequency is correct and no leakage is indicated the transducer and associated wiring are good. Bad transducer elements and incorrect cabling or wiring are easily diagnosed.



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Test cable and 9 volt battery included!

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