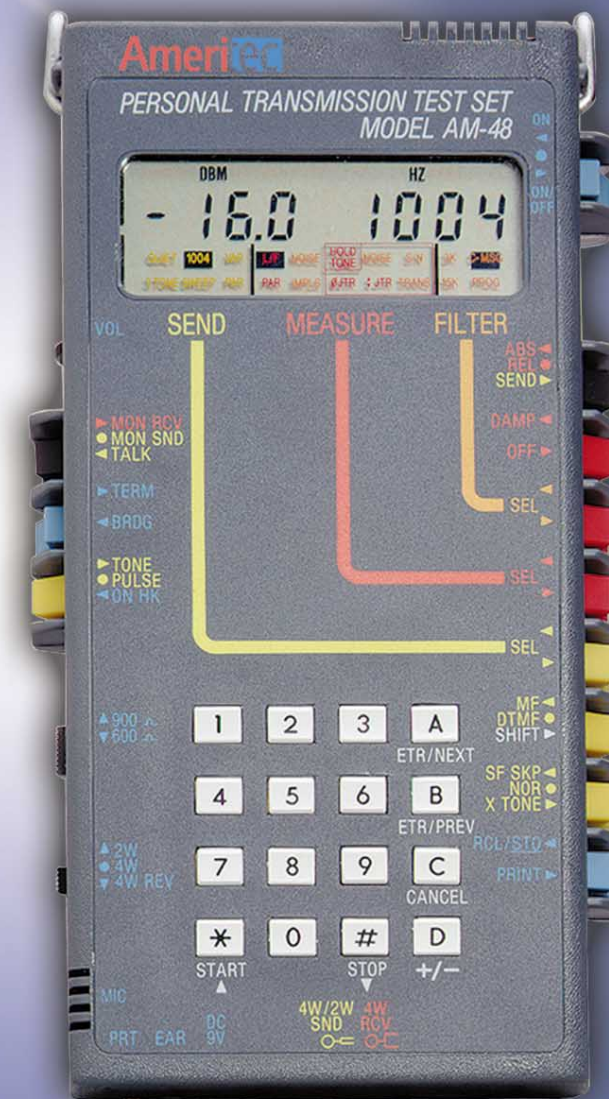


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Model AM-48 Personal Transmission Test Set

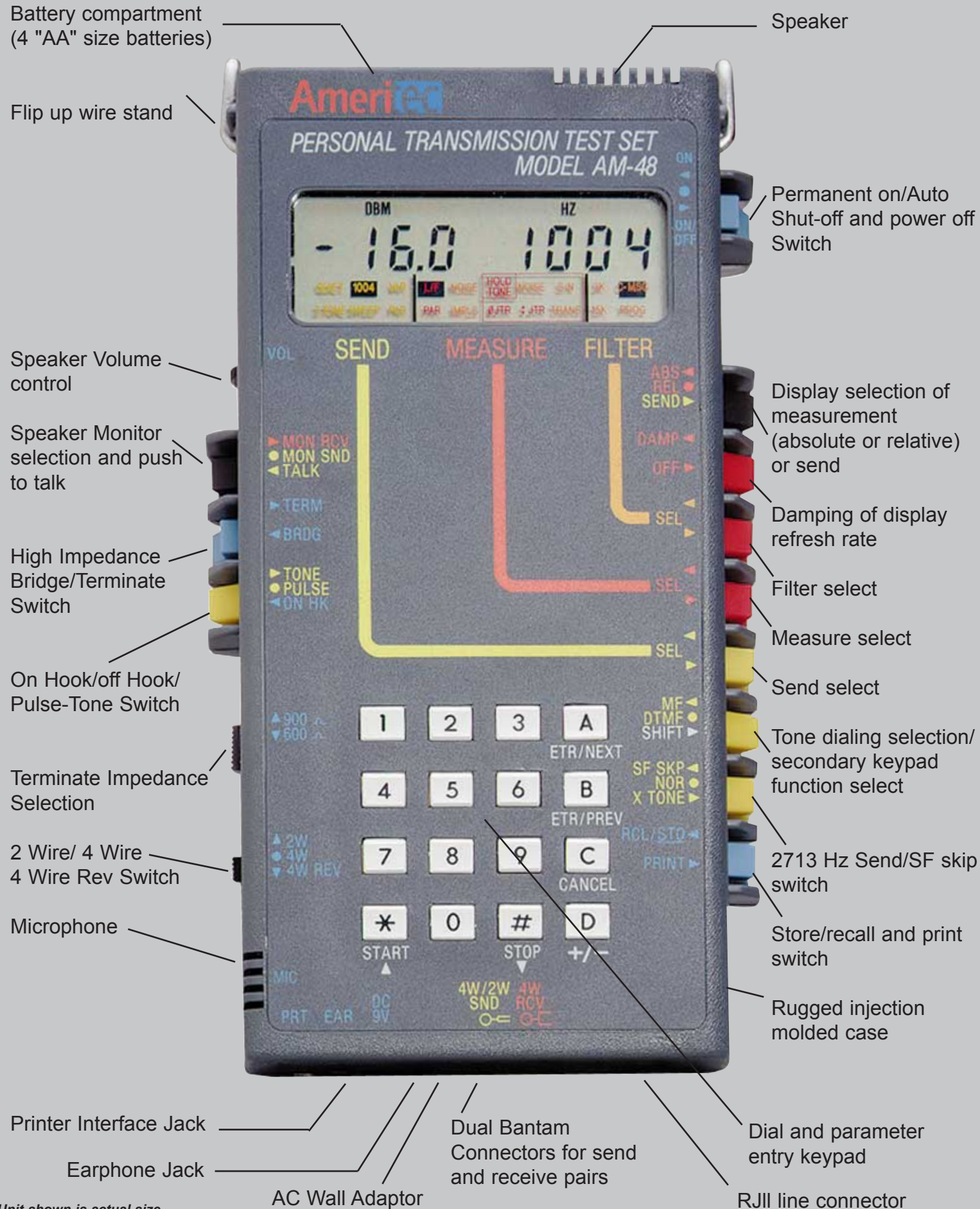


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A True Hand-Held TIMS Tester

Here's Everything You Need In An Analog T



The AM-48 is a powerful hand-held Transmission Impairment Test Set. Through the use of surface mount technology the AM-48 incorporates measurement capability and features unmatched.

Designed for field testing of voice and data on 2 or 4 wire telecommunications transmission circuits over the extended voice band (200 Hz to 20 kHz), the AM-48 fully complies with IEEE 743-1984 (Bell Standard 41009). The Model AM-48E is the export version and fully complies with world standard ITU-T recommendations.

The unit is actually three instruments in one:

It is a measurement set able to measure:

- dBm level or dB loss
- Frequency
- Frequency Response (Attenuation Distortion)
- Noise
- Noise with Tone
- Signal/Noise Ratio
- P/AR
- 3 Level Impulse Noise
- Phase and Gain Jitter
- Hits and Dropouts

It is a full function signal generator able to generate all of the test tones and waveforms needed to perform the above-listed measurements.

It is a telephone set with dial, talk and listen capability.

The unit is furnished complete with accessory case, alkaline batteries, AC adapter, input cord, earphone, and instruction manual.

Optionally available are hand-held printer, NiCad batteries, impedance adapter and a wide selection of input cords.



Simple Operation

The hand-held AM-48 is easily operated. Simply use the color-coded controls and menu selection to choose the desired measure mode and send mode. The proper units of measurement are automatically displayed and the autoranging measurement circuitry automatically



Large easily-read LCD with simultaneous display of test set-up menu and measurement.

displays the reading. If the measurement is out of range, the display will indicate "over" or "under."

All controls are edge-mounted rocker switches or slide switches with descriptive labeling on the front of the unit for all switch functions.

The keypad, normally used for dialing, has a secondary function which allows setting of all control parameters associated with the more complex tests. The keypad also allows setting of signal generator levels and frequencies.

As an added convenience, there is a mini instruction manual on the back of the unit to act as a memory jogger operation guide.

Store and Recall

A user-programmable, non-volatile memory is contained within the unit. It allows up to ten operator-defined send/measure test configurations to be stored as well as up to ten operator-defined test tone frequencies. Any of these can be recalled by a single keystroke thereby greatly simplifying operation of the unit.

Transmission Test Set

Compact Convenience

About the size of a calculator, the AM-48 weighs 23 ounces. Carry it in your briefcase, in your tool kit or even in your pocket. It is powered by four size AA alkaline batteries or an accessory AC adaptor.

Optionally the unit may be used with four size AA rechargeable NiCad batteries. The AM-48 contains a built-in battery charger which, when used with the accessory AC adaptor, both charges the NiCad batteries and operates the unit.

With its built-in stand/hang bale, the unit can be propped on a table or hung from a hook. You can take it anywhere and it will always be available when you need it.

Built-In Telephone Set

With its selection of 600 or 900Ohm termination impedances as well as high impedance bridge capability, the unit can be used in a variety of applications. A unique feature of the AM-48 is the built-in dialing capability. The unit can signal with dial pulse, tone (DTMF) or MF. This feature, combined with

the built-in DC hold circuit and speaker/ microphone, enables one tester to communicate with another over the line under test. No need for a second communications line and no need for an external "butt" set (field telephone set).

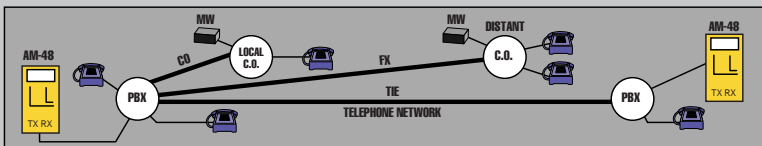
Hand-Held Accessory Printer

The available Model AM-47 printer takes advantage of the manual and automatic printout modes of the AM-48. The printer is about the same size as the AM-48, is self contained, powered by rechargeable internal battery pack and fits into the AM-48 accessory case.

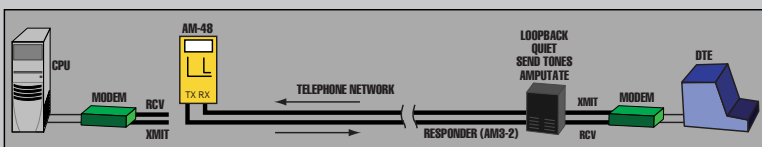
A touch of the AM-48 "Print" key will cause a printout of the currently

Displayed measurement as well as test parameters. When making timed tests such as impulse noise or transients, the AM-48 will automatically print out each 15 minutes and at the end of the study.

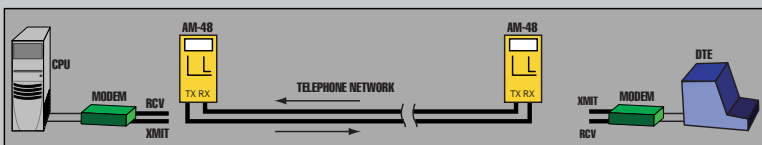
The printer uses standard adding machine paper and a replaceable ink cartridge using an impact printing mechanism.



Use the AM-48 built-in dial capability on dial-up networks to access a second AM-48 for centralized 2-wire testing.



Use a single unit for centralized loopback testing.



Use two sets for a complete end-to-end test of 4-wire data lines.

