Digital Audio Analyzer/Generator

AM70

This product is discontinued.

View alternative products.

Check product support status.

Features And Benefits

- Balanced Analog Outputs
- Balanced/Unbalanced Digital Inputs and Outputs
- Optical Inputs and Outputs
- Internal Speaker/Headphone Jack
- Battery Powered
- Simplified Menus/Keyboard Controls
- Four User-definable "Quick Keys" for Each Operating Mode

> **Features**

Specs

Applications

- Installation and Troubleshooting
  - Signal Tracing in Analog and Digital Domains
  - Confidence Monitoring of Digital Audio Signals
- Digital Compatibility Debug
  - Resolving Data Compatibility Problems
  - Digital Audio Format Conversion

The Tektronix AM70 is a programmable digital audio analyzer and generator. It features analog and digital audio outputs as well as digital audio inputs. In addition, the AM70 features an internal loudspeaker and headphone output to permit users to perform confidence monitoring of digital audio signals.

Operating Modes

The AM70 has three modes of operation.
Generator Mode permits the AM70 to act as a
source of analog and digital test signals. Test
signals are generated by direct digital synthesis
using either the internal clock of the AM70 or an
external digital audio signal. This permits the
output signals of the instrument to be synchronized
with external digital audio signals.

Monitor Mode permits a user to monitor important
aspects of a digital audio signal. By connecting an
optical or electronic digital audio signal, a user can
monitor the states of validity, parity, channel status
and user bits. An internal DA converter permits the
user to listen to the digital audio signal via an
internal speaker with headphones. These signals
may also be routed to the balanced analog
outputs. Furthermore, the digital input signal can
be echoed on the optical or electronic digital audio
outputs.

Modify Mode permits the AM70 to be installed in-
line with a digital audio signal to perform real-time
editing of the digital audio data. This capability
includes editing of the status and user bytes,
validity and parity bits, as well as the length of
audio samples and the exchange of left and right
audio samples.

Simplified menus and keyboard controls make the
AM70 easy to use and program. AM70 users can

define four "Quick Keys" for each operating mode, thus simplifying routine calibration and troubleshooting tasks.

Characteristics

Physical Characteristics

Dimensions	mm	in.
Height	215.9	8.5
Width	101.6	4
Depth	63.5	2.5
Weight	kg	lb.
Net	0.55	1.25