

# AAATS One



## ATS-1

The ATS-1 series of analyzers complements the Portable One series. Designed for rack mount and production applications, they offer the same measurement functionality as equivalent Portable One models, but include an **IEEE-488** interface as standard. They are housed in a fan-cooled

metal case, designed for front or rear modular connector placement and rack mounting. The instruments include both the Audio Precision two-channel IEE-488.2 command set and a single channel HP8903B emulation mode.

Automated testing is simplified with the industry-standard IEEE-488 interfaces on both models. ASCII commands are easy to use, and on-board intelligence simplifies sweeps and settled readings measurements.



## ATS-1 Access

ATS-1 *Access* is a comprehensive analog audio test set. Twelve different measurement functions are easily selected from the front panel.

- Measures **amplitude, signal-to-noise, distortion (THD + N), SINAD, IMD (option), frequency, wow & flutter, input impedance** plus **AC mains check**.
- True 2-channel (stereo) modes measure two channel level, phase, amplitude ratio and crosstalk.



## ATS-1 Dual Domain ANALOG + DIGITAL + AES/EBU/IEC

ATS-1 Dual Domain® is a comprehensive audio test set for both analog and digital audio, as well as for generation and measurement of AES/EBU/IEC digital characteristics such as jitter. Like our System One and System Two products, ATS-1 Dual Domain features true Dual Domain architecture. Digital signals are generated and measured purely in the digital domain, resulting in the -140 dB distortion and -140 dB noise residuals necessary for making useful digital audio measurements.

- True **Dual Domain** instrument, with independent analog and digital generators and analyzers.
- Include all the functionality of the analog ATS-1 *Access* above.
- **Digital Audio** – Generate signals and measure **level & ratio, THD + N, frequency, phase, noise & crosstalk, IMD**.
- **Digital interface** – measure key interface parameters, including **jitter, sample rate, AES signal voltage, frame delay, delay relative to house sync**.

## Major Options

- **IMD** – Internal Intermodulation Distortion measurement and generation option; may also be retrofitted.



**ATS-1 Dual Domain 96k Option** – ATS-1 Dual Domain may be ordered with a 96kHz digital audio sampling rate option.



**GPIB Interface** – An IEEE Std 488.2 GPIB port is provided as a standard feature of the ATS-1 *Access* and ATS-1 Dual Domain versions to control all settings, and to acquire measurements and sweep data. Visual Basic sample code and utility programs for Windows 95/98/NT are provided on the CD-ROM. Analog features are supported with GPIB instrument software drivers for current versions of National Instruments LabWindows/CVI and LabView. The ATS-1 provides an additional HP8903B compatible command set that supports single channel measurement capabilities.