AUDIO

AudioControl®

AUDIO CONTROL SA3051/SA3052 1/3 OCTAVE ANALYZERS The SA3051 is a self contained professional grade 1/3-octave real-time audio analyzer. Features include 30 bands (25Hz-20kHz) plus broadband SPL analyzing, 6 non-volatile memory locations plus averaging, digital SPL display w/0.1dB resolution, digital pink-noise generator and includes a calibrated microphone. The SA3052 adds an internal battery pack w/ intelligent charger, parallel printer port for hard copy documentation, and a soft carrying case. Both units use fourth order ANSI class II filters.

ITEM	DESCRIPTION	PRICE
SA3051	1/3-octave analyzer	925.88
SA3052	1/3-octave analyzer with battery and port	1257.95

behringer

BEHRINGER CT100 CABLE TESTER The CT100 cable tester is an intelligent CPU-controlled tester that accepts virtually any type of cable or connector. LED displays show which input pin is connected to which output pin; separate shield and phantom power LED's; installed cable test mode with continuity check and a test tone generator. Strong construction with a handy belt clip, the CT100 requires two AA batteries.

ITEM	DESCRIPTION	PRICE
CT100	Cable tester	21.99

NEW!

C.B.I.

CBI CABLES PRO-8 AUDIO/LIGHTING/NETWORK CABLE TESTER 19", 2RU rackmount cable tester with single and double ended testing. It has two rows of 9 LEDs corresponding to each of the possible connector pins and one for the screen (or ground) connection. As each pin is activated, the LEDs indicate all connections associated with that pin, so that short, open and crossed circuits can be easily found. The LEDs also show the possibility of high resistance or leakage connections. 2 LEDs indicate a good digital network connection, either straight through, or crossed over. Connections include red & black banana, 3-, 4-, and 5-pin XLR male & female, 1/4" TRS & TS, single or twin bantam TRS & TS, 1/8" TS & TRS, 2-, 4- & 8-pole Speakon, 3-, 5- & 8-pin DIN, 4-pin mini DIN (S-VIDEO), RCA, BNC, RJ-45, Ethercon, USB A & USB B.

ITEM	DESCRIPTION	PRICE
RACK-8	Audio/lighting/network cable tester	791.91

GALAXY AUDIO

GALAXY AUDIO CM-130 CHECKMATE AUDIO TESTER Many of the same features as the CM-140 but at a lower price. It features a max function resolution of 0.5 dB with accuracy of ± 2.0 dB, range of 40-130dB with 30dB of dynamic range covering 125Hz-8kHz. Battery life 110 hours.

ITEM	DESCRIPTION	PRICE
CM130-CHECKMATE	Audio tester	59.99

GALAXY AUDIO CM-140 CHECKMATE SPL METER/TESTER The Check Mate is a mini-size, low-cost, high-performance IEC 651 Type II sound pressure level meter with MAX/MIN function, level range display, AC signal output, and a resolution of 0.1dB. It features an electret condenser microphone, selectable level ranges, frequency weightings A & C, time weightings fast & slow, an auxiliary AC signal output, and a frequency range from 31.5Hz-8kHz. Comes with a windscreen and battery.

ITEM	DESCRIPTION	PRICE
CM140-CHECKMATE	SPL meter/tester	129.99

GALAXY AUDIO CHECKMATE CM-150 SPL METER Extended range of measurement from 50-150dB with +/-1.5dB accuracy. Perfect for industrial measurements, factory worker safety, or any other loud environment. Freq. range 31.5Hz-8kHz, & can be software controlled and tripod mounted w/optional accessories (see below).

ITEM	DESCRIPTION	PRICE
CM150-CHECKMATE	SPL meter	249.99
CM-BS-6	Tripod & carrying case for CM-150	29.99

GALAXY AUDIO

GALAXY AUDIO CRICKET POLARITY AND CONTINUITY TEST SET The battery-powered Cricket can test the absolute polarity of wireless microphones, mixers, effects devices, amps, cables, and speakers. Cricket makes it easy to determine whether every component in an audio system from patchbay to console to speakers is in or out of polarity. It tests balanced and unbalanced cables of up to 2,000 ft. in length. It will drive a "snake" (even one with transformers), and indicate which of a microphone's XLR connector pins is hot. The Cricket can also plug directly into a speaker cabinet and drive the components. A glance at the Cricket's red and green LED's can save hours of troubleshooting.

ITEM	DESCRIPTION	PRICE
CRICKET	Polarity tester	99.99

GOLD LINE

GOLD LINE 30MP A 1/3-octave battery- or DC-operated audio spectrum analyzer with remote MK8A microphone. Microprocessor controlled with 6 non-volatile memories. Accurate SPL readings in IEC A, C & flat weighting. Supplied w/ serial port for downloading memories. Optional USB adapter available.

ITEM	DESCRIPTION	PRICE
30MP	1/3-octave analyzer with mic	757.36
396-912-IDA	USB adapter cable	35.10

GOLD LINE GL1K MICROPHONE INPUT TESTER Microphone input tester with tone generator & phantom power detector built into a standard 3-pin XLR male connector. If a voltage is present, a 1kHz will be sent into the microphone input and the LED lights.

ITEM	DESCRIPTION	PRICE
GL1K	Mic input tester	38.73

GOLD LINE APT2 ABSOLUTE PHASE/POLARITY CHECKER The APT2/APT2B Polarity/Phase Analyzers accurately determine the absolute polarity of speakers and signal processing devices. Comes in 2 housings – the pulse generator which drives the level of the speaker directly and secondly, the detector with built in condenser microphone. The APT2B offers the same features plus balanced outputs and inputs.

ITEM	DESCRIPTION	PRICE
APT2	Phase and Polarity checker	289.58
APT2B	Same as APT2 plus balanced I/O	301.51

GOLD LINE PN2 PINK NOISE GENERATORS Pink-noise generators supply a flat noise source as a test signal for sound systems. The PN2 provides professional quality pink-noise for equalization/analysis, 1/4" output in a durable 9V powered case.

ITEM	DESCRIPTION	PRICE
PN2	Pink-noise generator	92.81

GOLD LINE LOFT MODEL TS-1B Use the TS-1B to locate feedback frequencies and troubleshoot & measure speaker systems & frequency response check power amps, align tape machines, and measure S/N ratios. It features a low distortion oscillator, frequency counter and dB meter. Inputs are TRS 1/4", and the unit has 7-segment LEDs.

ITEM	DESCRIPTION	PRICE
TS1B	Audio test set with balanced 1/4" out	476.52

GOLD LINE IMPEDANCE METERS The ZM1 and ZM1P are unique test and measurement instruments useful to every sound contractor or installer. The ZM1 measures the impedance of loudspeakers and entire distributed loudspeaker systems as well as individual components (resistors, capacitors, inductors). It will also calculate the wattage that will be produced on an installed loudspeaker system. The ZM1P adds an overload protection circuit that prevents the meter from being damaged from amplifier output overloads up to 120VAC and a Tone Generator to improve system testing and performance.

ITEM	DESCRIPTION	PRICE
ZM1	Impedance meter	335.35
ZM1P	Impedance meter with overload protection	406.85

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ACCESSORIES

GOLD LINE

GOLD LINE PORTABLE DIGITAL SPEECH INTELLIGIBILITY METERS
Featuring a 600 ohm omni electret condenser mic, these models display results in CIS, and STI formats (PI formats displayable only on DSP2BP model), factoring in the effects of room acoustics & background noise. Both models also feature a RS232 interface and come with OPT STICis™ firmware, a carrying case, and an STI-PA Test Tone CD. The DSP2BP also includes OPT PI firmware.

ITEM	DESCRIPTION	PRICE
DSP2B	Portable digital speech intelligibility meter	1934.23
DSP2BP	Portable digital speech privacy meter	2182.83

GOLD LINE TEFPRO AUDIO ANALYZER KIT
A professional, portable dual-channel USB/DC powered analyzer. Includes 2 major software modules (Soundlab RTA and Soundlab TDS), a training VD, TEF preamp and TEF04 microphone with 20ft. cable, all packed in a rugged carry case. The RTA module measures in 1-, 1/2-, 1/3-, 1/6-, and 1/12-octave resolutions. Data can be viewed with a choice of A, B, or C weighting and other displays are peak hold, screen freeze, overlay and difference mode. The TDS module can identify and treat reflections, measure the frequency response of any given reflection, and perform equalizations. TDS simplifies aligning clusters, setting delay lines and measurements of speech intelligibility. TDS will output pink-noise, white-noise and sine wave signals and will perform auto polarity test.

ITEM	DESCRIPTION	PRICE
TEF25-PROKIT	Audio analyzer kit, Includes TEF25 preamp, TEF04 mic, 20' mic cable, 6' USB cable, carrying case, SLRTA60 Sound Lab software, SLTDS Sound Lab software, SLUPG1 Sound Lab upgrade, TEF training DVD	2119.79

Kaltman Creations
"First to Market" Audio Products

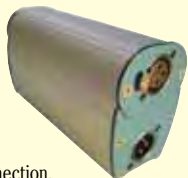### KALTMAN CREATIONS HANDHELD RF SPECTRUM ANALYZERS
Handheld, battery-operated, true spectrum analyzers ideally suited for helping avoid wireless microphone interference. Also measures RF exposure. The intra-day logging feature monitors RF activity so potential interference in the VHF, UHF, and WiFi bands can be spotted. 10 hot keys to address the more popular North America RF bands: Wi-Fi, industrial remotes, wireless microphone, business & emergency 2-way, assisted listening, Telco/cellular, intercom, and radio/TV broadcast. The LCD screen displays frequency and signal levels, and the internal audio demodulator allows for monitoring through the built-in speaker or external 2.5mm output jack. PC software allows for enhanced visual monitoring. The systems includes an SMA full-range rod antenna, log periodic antenna, batteries & charger/AC adapter, PC software, mini-tripod stand, aluminum carrying case and more.

ITEM	DESCRIPTION	PRICE
HF4040	Handheld RF analyzer system 10MHz–4GHz	1528.80
HF4060	Handheld RF analyzer system 10MHz–6GHz	1814.80
HF6080	Handheld RF analyzer system 1MHz–9.4GHz	CALL

LA AUDIO PC90 PHASE CHECKING SYSTEM
This system's wide band pulse detects polarity inversions acoustically and electronically, regardless of distance or time delay. The separate emitter and receiver units can be placed anywhere within an audio system either with its internal speaker and microphone or its balanced XLR connection.

ITEM	DESCRIPTION	PRICE
PC90MKII	Phase checking system w/separate emitter & receiver units	400.95

NTI
Less noise • More sound

NTI INSTRUMENTS MINIRATORS
Powerful audio generators that offer a full-range of useful analog test signals for calibration, maintenance, and repair of professional audio equipment. They generate sine waves, sweep signals, white-/pink-noise, and polarity/delay test signals. In addition the MR-PRO may be loaded with proprietary user wave forms (via USB), and offers integrated cable-testing capabilities (via XLR input).

ITEM	DESCRIPTION	PRICE
MR2	Test signal generator	314.70
MR-PRO	Pro-test signal generator & cable tester	536.38

NTI INSTRUMENTS ML1 MINILYZER®
This is a handheld analog audio meter that has a comprehensive set of functions for analysis of pro audio systems. It continuously measures the audio signal and displays the desired results on its integrated LCD display. Measurement functions include: Level RMS, relative, sound pressure level, VU & PPM meter, speaker polarity test, signal balance error, frequency-/time sweep recording, 1/3-octave spectrum RMS & SPL, and distortion analyzer (THD+N), k2-k5 harmonics. The optional MiniLink allows you to interface the ML1 with a PC via software and is user installable.

ITEM	DESCRIPTION	PRICE
ML1	Analog audio analyzer	611.19
MINILINK	USB interface, user installable option	343.74
MINI-SPL	Battery-powered measurement mic, optional	368.29

NTI INSTRUMENTS AL1 ACOUSTILYZER COMPACT ACOUSTIC ANALYZER
A compact handheld instrument that has a wide range of acoustical measurement functions. Includes sound pressure level, room acoustics, speech intelligibility, reverberation time, delay time testing and monitoring as well as zoom FFT and a real-time spectrum analyzer. Features a USB interface for computer connectivity and a battery good for over 16 hours per charge.

ITEM	DESCRIPTION	PRICE
AL1	Compact acoustical analyzer	951.52

NTI INSTRUMENTS DL1 DIGILYZER™
This device is a digital audio analyzer in a convenient palm-sized shape. It handles most digital audio formats including ADAT and sampling frequencies from 32Hz-96kHz. Features include AES3, S/PDIF, TOS-Link, ADAT input connections, carrier status analysis, carrier signal measurement, dual domain monitor speaker, and comprehensive event logger. Unit is powered by 3 AA batteries. The optional MiniLink allows you to interface the DL1 with a PC via software and is user installable.

ITEM	DESCRIPTION	PRICE
DL1	Digital audio analyzer	1570.38
MINILINK	USB interface, user installable option	343.74

PHONIC

PHONIC HANDHELD AUDIO ANALYZERS
These accurate handheld audio analyzers provide sound engineers with a rich array of sound analysis tools. Features include 31-band real-time spectrum analysis, SPL and line meter, internal noise generator, EQ setting program, microphone calibration, XLR input and output, and speaker phase checking abilities. All functions and menus are accessible through the analyzers' central jog dial. Information and settings are easy to upload to your computer via the built-in interface (USB on the PAA3). The PAA6 features a 480x272 color LCD touch screen and two condenser mics. This model adds more tone generation functions (white-noise, sine wave, sweep, polarity, triangle, square), as well as LEQ, SLM, FFT, THD+N and scope functions. The built-in mics can be put in multiple remote positions for more accurate room measurements. Also features an SD card slot.

ITEM	DESCRIPTION	PRICE
PAA3	Audio analyzer w/USB interface, RT60, backlit LCD screen	499.99
PAA6	2-channel audio analyzer w/LCD screen, 2 condenser mics	1199.99

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PLATINUM TOOLS®

PLATINUM TOOLS 4MAPPER COAX CABLE TESTER This tester is an easy and quick solution to troubleshoot and identify multiple coax cables. Individually identified custom remotes allow you to track up to 4 connections at a time from the main cable box. It displays Pass, Open or Short, indicated by LEDs. It is functional with cable up to 100 ohms, for distances up to 3,000'. It features an easy, 1-button design, integrated tone generator, automatic power off, and warning LEDs for line voltage and low battery. It is ideal for troubleshooting, identifying and mapping multi-run coax cables connected to televisions, security cameras, splitters, monitors or routers.

ITEM	DESCRIPTION	PRICE
T104C	4Mapper tester, with 4 custom F remotes, holster & (1) BNC F-F adapter	39.07
T101C	F remote kit, 4 custom F remotes & (1) BNC F-M adapter	10.41

PLATINUM TOOLS VDV MAPMASTER VOICE, DATA AND VIDEO TESTER This tester combines continuity testing, mapping and tone generator functions into a single unit. Capable of identifying and mapping 19 locations at one time. It tests voice (6 wire), data (8 wire) and video (coax). It's tone generator has selectable tone cadence and the ability to change which pins carry the tone. RJ (voice and data) master remote stores in the bottom of the case. Its easy to read, extra large 7-segment LCD screen indicates the presence of pins with shorts, opens, reversals, miswires and split pairs. Low power consumption and auto-off feature contribute to a long battery life.

ITEM	DESCRIPTION	PRICE
T119C	Voice, data and video tester	84.97

ROLLS

ROLLS CS1000 CABLE SCANNER COMPLETE CABLE TESTER The CS1000 tests 10 different types of cable ends — banana, Speakon, RCA, 1/4", 1/8", XLR female, XLR male, MIDI, RJ11 and RJ45. Each cable being tested has its pin-out scanned for continuity as well as proper polarity. Features a balanced 1kHz Test Tone oscillator with a calibrated variable level control. The CS1000 also features phantom power voltage and polarity (both signals present) testing as well.

ITEM	DESCRIPTION	PRICE
CS1000	Cable tester	135.00

NEW!

SM PRO AUDIO JACK-A-ROO MULTI FUNCTION TEST DEVICE A combination cable tester, signal generator, splitter, combiner, DI box and more all housed in a sturdy 2RU chassis. It boasts a wide array of front-panel inputs and outputs, including Neutrik XLR, 1/4" TRS, 1/8" TRS, RCA, BNC, 5-pin MIDI, RJ11 and RJ 45. Any input can feed any output, making it a snap to connect equipment with dissimilar I/O configurations. Transformer isolation, on-board continuously variable passive attenuators with true-switched bypass and banana plug connections for continuity testing are also included. It also sports a 100Hz/1kHz/10kHz signal generator, selectable output voltage power supply (AC & DC), ground lift and a monitor speaker. It can also function simultaneously as two separate devices, and multiple Jack-A-Roos can be linked via a standard RJ45 cable.

ITEM	DESCRIPTION	PRICE
SMP-JKR-1	Multifunction test device	649.99

whirlwind

WHIRLWIND AESQBOX A tester of AES-3 and S/PDIF digital audio systems that generates AES-3 or S/PDIF output signals over a sample frequency range from 32kHz-192kHz. Audio sources available for the signal generator/transmitter function include a built-in microphone, a pair of tone generators, or an external line-level stereo audio source. It also functions as an AES-3 or S/PDIF receiver capable of receiving sample frequencies from 32kHz-192kHz, and can monitor audio content via a built-in speaker or line/headphone output jack.

ITEM	DESCRIPTION	PRICE
AES-QBOX	S/PDIF & AES-3 I/O, 1/8" TRS line-level audio in, 1/8" TRS line-level/headphone out, and 5.5mm x 2.1mm co-axial external power jack	532.73

WHIRLWIND CAB DRIVER SPEAKER COMPONENT CHECKER Test device for checking the operation of the speaker components within enclosures. Speaker connectors include Speakon NL8 and NL4, 1/4" TS and banana jacks. An XLR line output feeds the pink noise to self-powered speaker units. A DC OHMS TEST button applies 5 VDC to the output terminals. Also performs a DC ohms test where 3 LEDs indicate approximate ranges of 4, 8, or 16ohms. It is powered by 4 AA batteries or by an external 6 VDC wall wart power supply (not included).

ITEM	DESCRIPTION	PRICE
CAB-DRIVER	Speaker and polarity tester	209.04

WHIRLWIND DCT-9 CABLE TESTER Fast and accurate, it tests a variety of cables. It offers a digital test program that checks for correct wiring and displays any faults on the numeric display. It indicates several fault types including shorts, opens & crosswired conductors. A built-in test tone oscillator generates 440Hz & 1kHz tones for basic signal path tracing. It tests XLR, RCA phono, RJ-45, 1/4" TS, 1/4" TRS, BNC, TT Patch, NL4, & 1/8" TRS.

ITEM	DESCRIPTION	PRICE
DCT9	Cable tester	89.04

WHIRLWIND DMX35 CABLE TESTER This cable tester checks 3- and 5-pin XLR DMX lighting cables and also indicates the presence of the DMX data signal when connected to a functioning control line. The 3-pin XLR jacks also test microphone cables for opens, shorts or reversed connections.

ITEM	DESCRIPTION	PRICE
DMX35T	DMX cable tester	162.47

WHIRLWIND MCT7 CABLE TESTER This diagnostic cable tester has connectors for analyzing almost any type of cable connection. The convenient rotary switch allows testing of each conductor within the cable and can determine the internal wiring configuration. Tests NL4, 5-pin DIN, BNC, XLR, TRS, RCA, and 3.5mm types.

ITEM	DESCRIPTION	PRICE
MCT7	Cable tester	122.54

WHIRLWIND QBOX REVISION 2 This is an all-in-one audio line tester ideal for live sound or installation work. Unit includes a microphone, a speaker, a test tone generator, outputs for standard headphones, a 1/4" jack for line in, or a 2k ohm (telephone) earpiece out, plus voltage presence LEDs for confirming phantom or intercom power. For an instant hands-free intercom, simply plug in headphones and hook up a Qbox on each end of a line. Unit is powered by a 9V battery.

ITEM	DESCRIPTION	PRICE
Q-BOX	Line tester	195.02

WHIRLWIND SC SERIES NL/EP TESTERS The SC series testers provide rapid, positive testing for multiline speaker cables. Rotating the central switch applies voltage to the cable conductors one-at-a-time. A SEND LED indicates the pin to which the voltage is being applied, and a RECEIVE LED indicates where it returns. This system clearly reveals shorts, opens, and cross-wires allowing you to test common combinations of speaker cables. All three models test 3-pin XLR cables as well.

ITEM	DESCRIPTION	PRICE
SC48RJ	Tests 4- and 8-pin NL cables +RJ45 data cables	216.03
SC46EP	Tests 4- and 6-pin EP cables	221.87
SC48EP	Tests 4- and 8-pin EP cables	229.47