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<u> AudioControl</u>

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 with 0.1dB resolution, digital pink-noise generator and includes a calibrated microphone. The SA3052 adds an internal battery pack with 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	942.64
SA3052	. 1/3-octave analyzer with battery and port	. 1298.21

DOUG FLEENOR DESIGN

PRODUCTS FOR DMX512

DOUG FLEENOR DESIGN GIZMO DMX512 TEST BOX

Transmit, receive, save and playback scenes, and perform a variety of data and cable tests. It features a rugged 1/10" aluminum enclosure, a 16 character by 2 line back lit display, an optically isolated input, a slew-rate limited output, a NiMH rechargeable battery good for four hours of continuous testing, and a five year warranty. A nylon carrying case and AC adapter/charger are



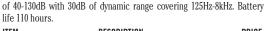
included. The full numeric keyboard provides direct channel access and level setting without the need for scrolling. Up to one hundred scenes can be stored. These can be captured from incoming DMX or built using the AND, THRU and AT keys.

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ITEM	DESCRIPTION		PRICE
GIZMO	DMX512 test box		1049.76



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 0.5dB with accuracy of \pm 2.0dB, range



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 and C, time weightings fast and 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 and can be software controlled and tripod mounted with optional accessories (see below).

ITEM	DESCRIPTION	PRICE
CM150-CHECKMATE	SPL meter	249.99
CM-BS-6	Tripod and carrying case for CM-150	29 99



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 LEDs can save hours of troubleshooting.

ITEM	DESCRIPTION	PRICE
CRICKET	. Polarity tester	99.99

GOLD LINE

ITEM GI 1K

GOLD LINE GL1K MICROPHONE INPUT TESTER

Microphone input tester with tone generator and 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.



DESCR	RIPTION	PRICE
Mic in	put tester	51.35

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 feat	res plus balanced outputs and inputs.
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IIEIVI	DESCRIPTION	PRICE
APT2	Phase and Polarity checker	344.25
APT2B	Same as APT2, with balanced I/O	385.56

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.



TEM	DESCRIPTION	PRICE
PN2	Pink-noise generator	108.28

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	444.96
	Impedance meter with overload protection	

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 and 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
	Portable digital speech intelligibility meter	

ITEM 33-7

IDEAL VDV PRO CABLE TESTER WITH EIGHT REMOTES

The VDV PRO Cable Tester is an easy-to-use cable testing and verification device that can quickly test all wiring requirements found throughout today's residential and commercial environments. Tests 3-pair USOC and 6-position RJ-11/12 jacks for voice cable testing. Tests wire map of shielded and unshielded cable to T568A/B standard f lengt

for data cable testing. Tests coax cable for opens, :	shorts and	1
th with F-Connector interface for video cable testing.		
I DESCRIPTION	PRICE	10
771VDV Pro cable tester with 8 remotes	589.27	- 6

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 and 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 fullrange rod antenna, log periodic antenna, batteries and charger/AC adapter, PC software, mini-tripod stand, aluminum carrying case and more.

ITEM	DESCRIPTION	PRICE
HF4040	. Handheld RF analyzer system 10MHz-4GHz	1557.40
HF4060	. Handheld RF analyzer system 10MHz-6GHz	1864.20
HF60105	. Handheld RF analyzer system 1MHz-9.4GHz	4585.00



BILLIA

2222

NTI INSTRUMENTS XL2 AUDIO AND ACOUSTIC ANALYZER A unique combination of state-of-the-art sound level meter, comprehensive acoustic analyzer and powerful audio analyzer. All data and audio is logged on the SD card for transfer to your PC. Some of the sound levels tested are: SPL actual, Lmin, Lmax, Lpeak, Leq and gliding Leq. Spectrum Analyzer measurement functions include: 1/3 octave, 1/1 octave; frequency weighting - A, C, Z (=flat). The acoustic analyzer functions include: FFT Analysis, RT60 reverberation time, polarity, delay, and more. Audio analyzer functions include: Level RMS, THD+N, frequency, scope and more. Features a digital I/O interface for the control of external peripherals.

ITEM	DESCRIPTION	PRICE
XL2-NTI-NOMIC	. Audio and acoustic analyzer, no mic	. 1297.66
XL2-NTI-M2230	Audio and acoustic analyzer with M2230 measurement mic	. 2874.82



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A portable 19-pin tester that tests and diagnoses cabling problems while the cable is still installed. Unlike conventional 19-pin testers, which require

cables to be tested from both ends, the tester plugs directly into the end of any energized, dimmed or undimmed six-circuit cable. Features rugged solid rubber construction. Tests LIVE 120 VAC 19 Pin cables and connectors, verifies power on each of the circuits, and diagnoses both broken and swapped wires and pins. Provides 3 diagnostic LEDs for each circuit, similar to popular electrician's single-circuit testers. Includes canvas belt pouch.

ITEM	DESCRIPTION	PRICE
LT-19P	Six-circuit cable tester	294.08

IEUTRIK

NEUTRIK CAS-FOCD AND CAS-FOCD-ADV FIBER OPTIC CLEANING KITS These fiber optic cleaning kits include a case, 400x magnification hand microscope, opticalCON microscope adapter, 2.5 microscope adapter, opticalCON cleaning box, 1.25mm DRY cleaner, 2.5mm DRY cleaner and fiber optic cleaning fluid. The CAS-FOCD-ADV cleaning kit contains the same as above, but adds extra space for optional MTP® dry cleaner FOCD-DCM and advanced inspection equipment

and duvanced morection equipment.			
ITEM	DESCRIPTION	PRICE	
CAS-FOCD	Fiber optic cleaning kit	. 1057.50	
CAS-FOCD-ADV	Fiber optic cleaning kit with extra case space	997.16	

NEUTRIK FOMD-FM-SM AND FOMD-FM-MM The FOMD-FM-SM is a single mode fiber

meter for use with the measurement kit CAS-FOMD. Specifications include a wavelength of 1310nm-1625nm and optical power range of -40dBm to +5dBm. The FOMD-FM-MM is a multimode fiber meter for use with the measurement kit CAS-FOMD. Its specifications include a wavelength of 850nm~1300nm and -30dBm to

-15dRm Roth operate on (2) AAA batteries and have a 3-digits LED display

-ioubin. both open	ate on (2) And batteries and have a s-digits LLD display.	
ITEM	DESCRIPTION	PRICE
FOMD-FM-SM	Single mode fiber meter	1082.25
FOMD-FM-MM	Multimode fiber meter	562 02

NEUTRIK FOMD-TC-SM1310 Single mode

light source SFP plug-in module 1510 inin to)
combine with the measurement kit CAS-FOMD.	
ITEM	

ight source SFP plug-in module 1310 nm to	4
combine with the measurement kit CAS-FOMD.	
TEM 	

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 ti

wave forms (via U ties (via XLR inpu	JSB), and offers integrated cable-testing capabilit).	MR
ITEM	DESCRIPTION	PRICE
	Test signal generator	
mix 1 NO	To test signal generator and cable tester	

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 and PPM meter, speaker polarity test,
signal balance error, frequency-/time sweep recording, 1/3-octave
spectrum RMS and SPL, and distortion analyzer (THD+N), k2-k5
harmonics. The optional MiniLink allows you to interface the ML1



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 l	oattery good for over 16 hours per charge.	
ITEM	DESCRIPTION	PRICI
AL1	. Compact acoustical analyzer	1033.14

Looking for measurement mics? See General Condender Mics pages 48-58





















































PLATINUM TOOLS

PLATINUM TOOLS VDV MAPMASTER 2.0 VOICE. DATA AND VIDEO TESTER Combines continuity testing, mapping, tone generation and length measurement functions into a single unit. It can identify and map 19 locations simultaneously. It will test voice, data and video cables, indicating shorts, opens, reversals, miswires and split pairs. Features include extra-large LCD display, RJ Voice and Data master remote and low power

consumption with auto power-off function.				
ITEM	DESCRIPTION	PRICE		
T129	VDV MapMaster 2.0	110.46		
T120C	Coax Remote Set			
T121C	Data Remote Set	29.71		
T124C	Master remote replacement			
T125C	Toner cable RJ45/alligator	8.46		
T126C	No-fault cable			
21025C	RJ45 PortSaver	8.46		





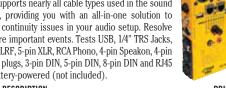
SM PRO AUDIO JACK-A-ROO MULTI FUNCTION TEST DEVICE A combination cable tester, signal generator, splitter, combiner, DI box and more all housed in a sturdy 2RU chassis. It boasts a wide array of front-panel inputs and outputs, including Neutrik XLR, 1/4" TRS, 1/8" TRS, RCA, BNC, 5-pin MIDI, RJ11 and 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 and 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	599.99

PYLE

PYLE PCT40 12-PLUG PRO AUDIO CABLE TESTER

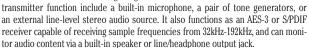
This cable tester supports nearly all cable types used in the sound recording industry, providing you with an all-in-one solution to help identify cable continuity issues in your audio setup. Resolve any problems before important events. Tests USB, 1/4" TRS Jacks, 3-pin XLRM, 3-pin XLRF, 5-pin XLR, RCA Phono, 4-pin Speakon, 4-pin S-type jack, banana plugs, 3-pin DIN, 5-pin DIN, 8-pin DIN and RJ45 connections. 9V battery-powered (not included).



DESCRIPTION PRICE ITEM 12-plug pro audio cable tester..... PCT40 ...

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/



ITEM	DESCRIPTION	PRICE
AES-QBOX	S/PDIF and 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	497.21

PYLE PSPLO1 MINI DIGITAL SOUND LEVEL METER

Measures 40-130dB with an accuracy of 3.5dB. It uses a 0.5" electret condenser microphone for accurate sound measuring. The digital display offers 0.1dB sound resolution with fast time weighting. Uses A-type frequency weighting. Powers off automatically after 15 minutes of inactivity. Includes microphone windscreen and a 9V battery for up to 50 hours of battery life.





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.

DESCRIPTION

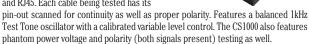


Cable tester... 122.54

ROLL

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



ITFM DESCRIPTION PRICE CS1000 Cable tester...

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 $2k\Omega$ (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 Q-BOX. Line tester...

ROLLS SLM305 DIGITAL SOUND LEVEL METER

Powered by a single 9 volt battery, it features auto off to preserve batteries, MAX hold dB, automatic backlight display, low battery indication and is accurate to +/- 1dB. Its measuring range is 30dBA to 130dBA and has a 4 digit & .1dB metering resolution. The frequency response is 31.5Hz to 8.5KHz with a sampling rate of 2 times/sec.





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 com-



PRICE

binations of speaker cables. All three models test 3-pin XLR cables as well.

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







