Here it is; the audio metering system you always needed.

The Intelligent Devices AD-1 Pro Audio Analyzer is the ultimate real time audio monitoring tool, providing precise simultaneous stereo peak and average metering, clip indication, headroom margin indication, L/R sum and difference levels, spectral analysis, phase metering, and waveform history display with running clip history. The AD-1 replaces thousands of dollars worth of hardware, and provides simplicity, accuracy and functionality unavailable elsewhere at any cost. It virtually assures a perfect final digital master or CD. Applications include analog and digital DAW mixing, mastering, radio broadcast, diagnostics, calibration, and education.

Each of the AD-1's four modules has been optimized for the way *you* work, so you will know exactly what you are getting in your final two track mix.

• Supermeter
Five separate 242 element real time meters show and hold *every* peak, even if it is only one sample long. They feature -10, -14, and -18 dB digital references, stereo peak *and* average levels; with center sum or difference, floating peak bars, clip indicators, and remaining headroom (margin) displays. Resolution extends to 1/10th dB/division! This comprehensive array offers user selectable ballistics with separately selectable peak hold times, and assures perfect level optimization and song matching for CD mastering.

• Spectrum Display
Two 1024 point Fourier engines drive the world's only true dual channel (stereo) spectrum analyzer. With a 74 dB log display, 242 light bars for every band, and a resolution of ten bars per dB, it dramatically outperforms the typical third octave analyzer's maximum display range of only 32 dB, using only one LED for every 4 dB. And while other real time analyzers show a time averaged frequency curve (with much slower LF response than HF) the AD-1 shows a digital *peak* response curve with a uniform response rate, and adds accumulated peak bars, which float above the main display to show another critical music component; long term spectral distribution.

• Phase Scope
This modern digital version of the old analog phase scope shows stereo imaging, depth, and L/R discorrelation. You can actually see how the stereo field spread and balance are effected by your mixing techniques and use of effects.

• Waveform Monitor
Providing a running history of stereo, summed mono, or L/R *difference* amplitude envelopes, this display is useful for identifying past clipped events, evaluating overall factors such as compression fade shapes, and for rapidly showing a critical yet misunderstood music component; ratio of summed and difference energy over time.

Other features include:
Ten presets store 24 separate user adjustable parameters such as meter and spectral ballistics, meter display emulations, and special audio output functions. Recalled simply by touching the 1 through 0 keys; a preset provides instant real time global changes of every Pro Audio Analyzer parameter. This makes personal libraries possible for various music types or different display focuses. The audio output modes include unique "L-R to left output; L+R to right" monitoring; which clearly reveals exact parameters of reverb and imaging effects.

See what you've been missing.
A properly produced digital master or CD uses every last bit of digital dynamic range, and every song on it should come within 1/10th dB of digital clipping at it's hottest point. Clearly, even the most experienced engineer needs precise metering to help level match and balance songs to today's strict CD standards. The AD-1 Pro Audio Analyzer provides the information you need to produce professional quality digital masters.

See what the other guy has been doing.
One way to learn exactly how others make their mixes sound like they do is to "reverse engineer", or analyze them. The AD-1 makes it easy to study and analyze hit songs; to visually learn exactly what both the peak and accumulated spectral energies are, to see the simultaneous relationship of musical peaks to overall average, the mono sum and difference levels, and even the amount of stereo image. You will be surprised how useful this information can be.

Haven't you waited long enough?
The Intelligent Devices AD-1 is available both as a TDM plug-in, or as a stand-alone application running on AudioMedia™II, Sound Tools II (Sound Accelerator), and non-TDM Pro Tools™ cards. *It will also run with no hardware at all on most Power PC Macintoshes*, using the on-board 16 bit I/O ports or the new third party digital I/O nubus and PCI cards. It requires an 8 bit (256 color) 640 X 480 or larger monitor. Faster Macs will produce smoother displays. You probably already own all the hardware you will need.

Need even more? Try the Pro Audio Analyzer *Plus*, with advanced diagnostic features such as definable sample number clip definition, clip counters, SMPTE locked clip location logs, direct sound file play from disk (with transport and looping) true digital mono light, digital test tone generation, spectrum display frequency zoom in capabilities, expanded full screen options for the Supermeters, RTA, and phase scope, dynamic digital dc offset bar, and much more. Truly the ultimate digital meter!