

EQ POD1.5DTM Series II TOA900 Series Parametric EQ

1 in/1 out Digital Signal Processor

Series II
August, 2003

KEY FEATURES:

- Tamper-proof, no user accessible controls
- Up to 66 feet of signal delay
- Programmable volume control
- 30 band parametric EQ: 1 Hz resolution, range -22dB to +6dB, filter Q (width): 1/12th to 1 octave
- Fits into 1 rear slot of TOA900, PEAVEY, and BOGEN amplifiers
- 1 input RCA from the TOA preamp out/ 1 output RCA to the TOA power amp in
- Programmable with an IBM PC and PARAGRAPHICS Software
- Limiter, -20 to +10dB
- Cost Effective
- 36 month warranty

DESCRIPTION:

The EQ POD1.5DTM is a 1 input, 1 output digital signal processor. It is inserted into a vacant slot of the TOA900 series or PEAVEY amplifier. Connection is made to the host amplifier via the POWER AMP IN and PREAMP OUT RCA jacks on the rear of the 900 series amplifier. Software configurable features are 30 parametric EQ filters, overall volume control, output limiter and signal delay. A frequency response graph shows the user the effect of the filter on the system as changes are made. The output has a limiter controlling unwanted transients. The threshold, gain reduction, and release times are all user programmable. Signal delay from 0 to 58ms (21us steps).

SPECIFICATIONS:

Number of Channels: 1 input RCA (from TOA preamp out) /1 output RCA (to TOA power amp in)

Circuitry Type: 24 bit Digital Signal Processing

Memories: Non-volatile FLASH with memory retention over 20 years

Equalization Filter Types: 30 parametric filters with 1 Hertz resolution, +6dB to -22dB (1/2 dB step), Q (filter width): Q=.1/12th to 1 octave, low and high pass filters -12dB/oct or -24dB/oct

Gain control: -78dB to 0dB (1 dB steps)

Maximum Input and Output: +10dBu (ref to .775VRMS)

Delay: 0 to 58ms (21us steps), 66 feet, 20 meters

Limiter: -20dBu to +10dBu level threshold, programmable attack time: 0.01ms to 2sec, release time: 0.4ms to 4 sec, hold time: 50ms to 0.9 sec

Frequency Response: 20 to 20KHz +/-1/2dB

Total Harmonic Distortion: 0.01%

Noise Floor: better than -83dBu(ref to .775VRMS)

Connectors:

Audio In/Out: RCA jacks IN and OUT

RS232 Data: Female DB-9, handshaking required(DTR/DSR)

Dimensions:

1.375"Wx3.060"Hx2.700"D

Chassis & Color:

brushed aluminum panel front panel

Power Requirements:

Derived from the TOA amplifier

