

MODEL
160X

COMPRESSOR/LIMITER

In the world of compressor/limiters, the 160X is known as the standard – and with good reason. It delivers outstanding performance and easy-to-use operational flexibility in a slim-line rack-mount package. Its metering system provides an instantaneous picture of the gain reduction of the compressed signal compared with either the input or the output level. The 160X is a textbook lesson in compression.

The 160X has all the features a studio operator, broadcast or sound-reinforcement engineer, or professional musician would want, as well as outstanding reliability for difficult road and performance conditions. It is the only compressor/limiter that gives you the choice of OverEasy or hard-knee operation, irrespective of compression ratio. Our unique Infinity+ compression offers unusual sonic effects, and access to the rms-defector input offers both frequency- and time-dependent compression.

In sum, the 160X is a versatile, reliable compressor/limiter that has become the standard worldwide (and we can prove it!).

FEATURES

- OverEasy or classic hard-knee compression
- Dual rms display system: Monitors input or output with a 19-LED display. Simultaneously monitors gain reduction over a 40-dB range with a 12-LED display
- Hardwire bypass
- Stereo-strappable (two units required)
- Infinity+ compression provides "dynamic reversal" effects
- Compression ratio continuously variable from 1:1 through infinity: 1 to -1:1
- Threshold variable from -40 to +20dBv
- Output gain variable from -20 to +20dB
- +24dBv input and output levels
- Input and output connectors via a barrier strip or 1/4" tip/ring/sleeve phone
- Active balanced input provides hum and RF rejection
- Provision for optional active-balanced output.



FREQUENCY RESPONSE
20Hz – 20kHz \pm 0.5dB

THD
0.2%, maximum compression, 1kHz, 0dBv

NOISE
-89dBv

MAXIMUM INPUT
+24dBv

MAXIMUM OUTPUT
+24dBv

INPUT IMPEDANCE(S)
100k-ohms differential, 50k-ohms unbalanced
(Detector: 460k-ohms differential, 230k-ohms unbalanced)

OUTPUT IMPEDANCE
Low, single-ended, for driving 600ohms or greater

GAIN
-20 to +20dB

THRESHOLD RANGE
-40 to +20dBv

ATTACK TIMES
Program-dependent:
15ms for 10dB, 5ms for 20dB, 3ms for 30dB

RELEASE TIMES
Compressor: 8ms for 1dB, 80ms for 10dB,
400ms for 50dB; 125dB/s rate

MAXIMUM COMPRESSION
Greater than 60dB

POWER REQUIREMENTS
105-130V (117V model), 50-60Hz; 15W

DIMENSIONS
1 3/4" h x 19" w x 9 1/4" d

ACCESSORIES
AB-1 card for active-balanced output