

CL-5000 SPECIFICATIONS

INPUT

Type	RF filtered, servo-balanced input
Connectors	XLR and 1/4" TRS jacks
Impedance	50K Ohms balanced, 25K Ohms unbalanced
Nominal Operating Level	+4 dBu / -10 dBV switchable
Max. Input Level	+21 dBu balanced and unbalanced
CMRR	typically 40dB, > 55dB @ 1kHz

DETECTOR INPUT

Type	DC de-coupled unbalanced input, 1/4" TRS jack
Impedance	> 20K Ohms
Max. Input Level	+21 dBu

OUTPUT

Type	Electronically buffered output stage
Connectors	XLR jacks
Impedance	60 Ohms balanced, 30 Ohms unbalanced
Max. Output Level	+21dBu balanced and unbalanced
Bandwidth	20Hz to 20kHz, +0/-0.5dB
Frequency Response	0.35 Hz to 200kHz, +0/-3dB
Noise	> -95dBu, unweighted, 22Hz to 22kHz
THD	0.04% typically @ +4dBu, 1kHz, Gain 1
IMD	0.01% typically, SMPTE
Crosstalk	< -100 dB, 22Hz to 22kHz
Stereo Coupling	True RMS detection
CMR@ 1 KHz	> 60 dB

EXPANDER/GATE SECTION

Type	IRC (Interactive Ratio Control) Expander/Gate
Threshold	variable (OFF to +10 dBu)
Attack	< 1 ms/100 dB
Release	100 ms/ 100 dB

COMPRESSOR SECTION

Type	IKA (Interactive Knee Adaption) Compressor
Threshold	variable (-40 to + 20 dBu)
Ratio	variable (1:1 to ∞ :1)
Threshold Characteristics	Hard Knee
Manual Attack Time	variable (0.1 to 200 ms/20 dB)
Manual Release Time	variable (0.05 to 4 sec/20 dB)
Auto Attack Time	typ. 15 ms. @ 10 dB, 5 ms @ 20 dB, 3 ms @ 30 dB
Auto Release Time	program dependent, typ. 125 dB/sec.
Output	variable (-20 to + 20 dB)

DYNAMIC ENHANCER SECTION

Type	Dynamically controlled frequency correction
Process	variable (OFF to 6)

FUNCTION SWITCHES

IN/OUT	Bypass switches both channels
Auto	Program-dependent attack and release times