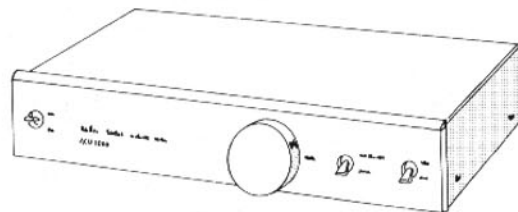


# ACU1000 CONTROL UNIT



Active Control Unit ACU1000 has been developed to meet the demands of compact discs and other advanced sources requiring frequency linearity and freedom from distortion. High overload capacity allows realistic headroom for modern material with higher and more accurate transient information. Distortion is extremely low. Output impedance is also very low, enabling the control unit to be remote from the loudspeakers and non-critical in terms of cable length. The Active Control Unit is simplicity itself in operation, and a component of truly modest size, reflecting the overall design approach adopted for the system.

## Specifications

**Sensitivity:** At 1K for 1V rms output  
 Moving coil input: 80 $\mu$ V  
 Moving Magnet input: 3mV  
 Compact Disc input: 150mV  
 Auxiliary Input: 150mV

**Overload:** Moving Coil 30dB at 1K  
 Moving Magnet 35dB at 1K

**Distortion:** Less than 0.01% for 1V or 8V output

**Dimensions:** H 58mm (2 $\frac{1}{4}$  in) W 285mm (11 $\frac{1}{4}$  in)  
 D 190mm (7 $\frac{1}{2}$  in)

**MODEL:** ACU 1000 control unit

**DIMENSIONS:** 2 1/4"H x 11 1/4"W x 7 1/2"D

**SENSITIVITY:** (at 1K/1V RMS output)  
 Moving coil input—80 $\mu$ V  
 Moving magnet input—3mV  
 Compact disc input—150mV  
 Auxiliary input—150mV

**RIAA EQUALISATION:** 30 hz to 20kHz within 1/4 dB

**DISTORTION:** less than 0.01% for 1V or 8V output

**NOISE UNWEIGHTED:** (up to 80kHz for 1V output)  
 Moving coil better than 60dB  
 Moving magnet better than 75dB  
 Line better than 80dB

**MODEL:** MPA 810 power amplifier (mono)

**POWER OUTPUT:** 680 watts continuous RMS into 8 ohms/peaking  
 at 2.3kW pulsed into 2 ohms

**TOTAL HARMONIC/  
 IM DISTORTION:** less than 0.005% at 1kHz

**CURRENT:** maximum output of 50 amps

**FEATURES:** thermal output protection mechanism  
 DC fan for heatsink cooling  
 30 segment bar graph/indicates output voltage  
 Mosfet output devices

**MODEL:** CU 810 preamplifier

**FEATURES:** provisions for MC/MM inputs  
 line-amp output impedance 0.1 ohms/allows use  
 of long cables

**DISTORTION:** less than 0.005% at 8V output/20hz to 20kHz  
 (line amp)