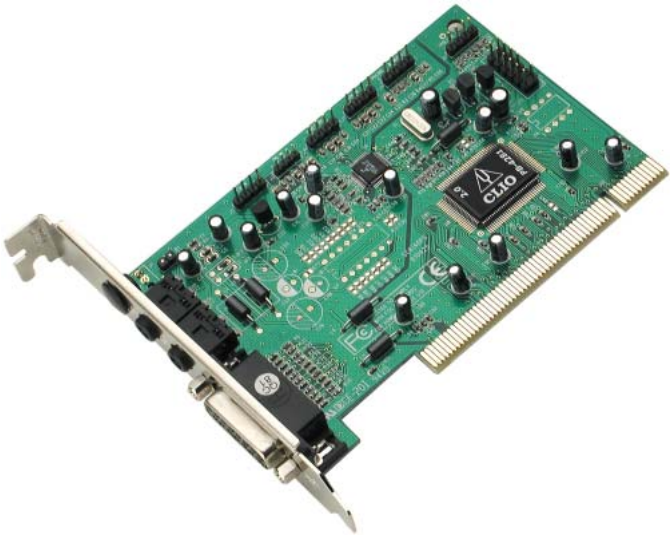
CLIO

ELECTRICAL & ACOUSTICAL TESTS



PCI PC BOARD
PB-4281

SIGNAL CONDITIONER
SC-01

■ PRODUCT DESCRIPTION

The PB-4281 PC board and SC-01 Signal Conditioner form a high precision two channels A/D D/A audio front-end for your IBM or compatible PC.

The PB-4281 PC board is housed in a standard PCI slot inside your computer and performs precise 18-bit digitizing of the signals to be analyzed.

The SC-01 Signal Conditioner is software controlled via an RS-232 serial link; it is equipped with an instrument grade input and output analog circuitry with an exceptionally wide range of output attenuation and input gain that allows an easy interface to the outer world; the input and output loopback capability with the internal ultra stable voltage reference permit a simple and precise calibration of the whole instrument; the two input channels can be controlled separately or as a single balanced one.
A switchable phantom supply lets you directly connect an Audiomatica MIC-01 or MIC-02 microphone to any of the SC-01 input.
It is also possible to superimpose a DC voltage to the genarated AC signal.

■ AVAILABLE SOFTWARE

CLIOwin system software for Windows 95, 98, Me, 2000 or XP.

■ COMBINED TECHNICAL SPECIFICATIONS (PB-4281&SC-01)

■ GENERATOR
Two channels 18 Bit sigma-delta D/A Converter
Frequency range: 1Hz-22kHz
Frequency accuracy: >0.01%
Frequency resolution: 0.01Hz
Output impedance: 150Ohm
Max output level (Sine):12dBu (3.1Vrms)
Attenuation: 0.1 dB steps to full mute
THD+Noise(Sine):0.01%
Output DC (Ch. A): ±2.5V

■ ANALYZER
Two channels 18 bit sigma-delta A/D Converter
Input range: +40 ÷ -40dBV
Max input acceptance: +40dBV (283Vpp)
Input impedance: 64kOhm (5.6kOhm mic)
Phantom power supply: 8.2V

■ PC SYSTEM RESOURCES
One free IRQ
One free RS-232 port

■ MISCELLANEOUS
Sampling frequency: 48kHz÷8kHz
Card type: 12cm. PCI slot card
Audio connections: four RCA plugs

Turns your PC into the most complete easy-to-use electrical and acoustical measurement system ....

AUDIOMATICA
VIA MANFREDI 12- 50136 FIRENZE-ITALY
TEL : +39-0556599036 - FAX : +39-0556503772
E-MAIL: info@audiomatica.com
WEB: www.audiomatica.com, www.cliowin.com