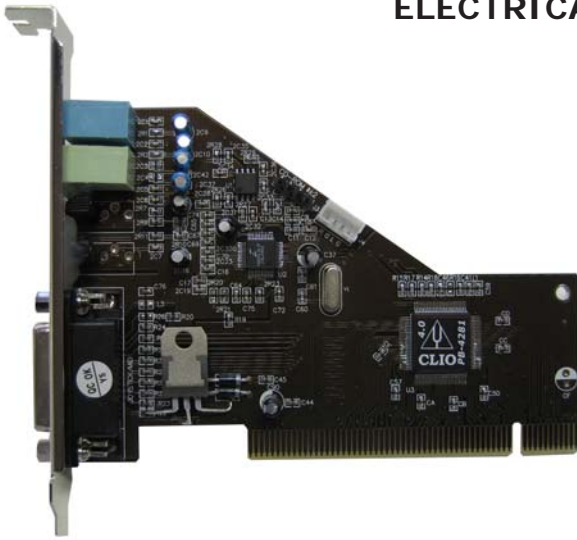


CLIO

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 generated 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): $\pm 2.5V$

■ 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***



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