

Clever Combination

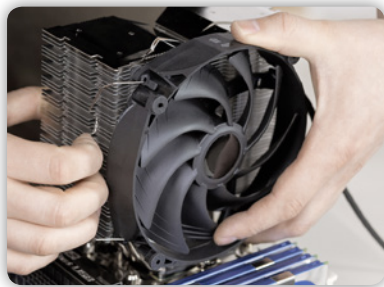
Functional "one-module" system
for precise multichannel analysis

labCOMPACT12

labCOMPACT12 is a compact and simplified HEADlab system combining the basic functionality of a controller and a multichannel module. The "one-module" technology is a flexible and affordable solution for multichannel analysis particularly in the development of household and office appliances.

labCOMPACT12 is a 12-channel Line/ICP® module with optional per-channel high-pass filters. Sensors are connected via the D-Sub connectors on the front side. The analog inputs work with sampling rates up to 48 kHz on all twelve channels, or 96 kHz on six channels. The handy module excels with high phase accuracy, 24-bit data and a signal-to-noise ratio of 107 dB(A).

The HEADlink interface allows you to extend your system easily with an additional HEADlab module. As an alternative, cascade and synchronize your labCOMPACT12 with other HEADlab systems via the SYNC connectors. A direct connection to a laptop or PC via USB or LAN ensures reliable data transmission. The module can be configured and controlled using the HEAD Recorder software, a software module of ArtemiS SUITE.



labCOMPACT12 – Features

Compact and silent HEADlab system with 12 Line/ICP® channels

Connection of sensors via breakout cable D-Sub 25-pin to 6x BNC

Sampling frequency to 48 kHz (96 kHz on 6 channels)

Frequency range 0 Hz to 20 kHz

AC, DC, ICP® (4 mA) switchable

Connection of TEDS sensors to IEEE 1451.4, Class 1, shared signal wire

107 dB(A), signal-to-noise-ratio

Connection to PC via USB or LAN

Analog high-pass filters: 2.5 Hz in AC mode, 22 Hz, switchable channel by channel

Extension with a HEADlab module possible (via HEADlink)

Easy to cascade with additional HEADlab systems (via SYNC connection)

Electrical isolation between signal inputs, PC connection, and power supply

Power supply via power box labPWR or power supply unit, power consumption ca. 12 W

HEADlab housing with proven locking device

Use the QR Code for further information!

www.head-acoustics.de/eng/nvh_labcompact.htm

