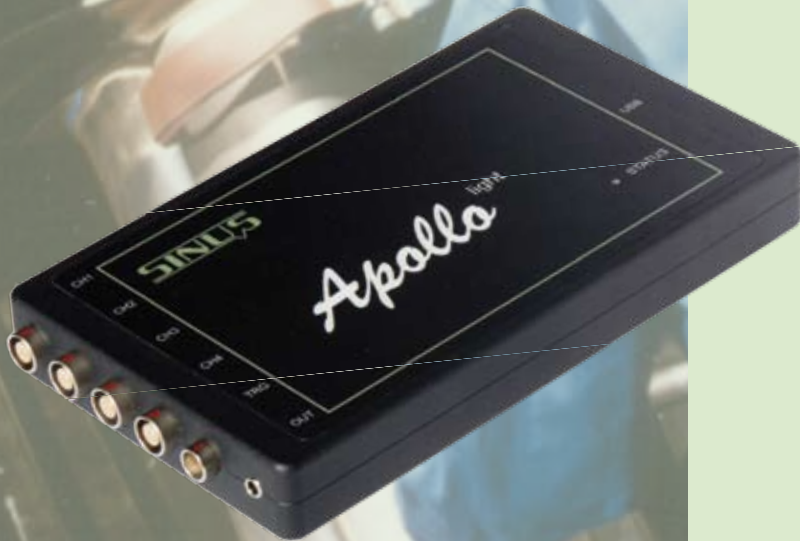


ApolloTM light

*The light version of our
black box acoustic analyzer -
especially handy and robust -
with USB Interface*



- Sound level measurement
- Frequency analysis
- Signal recording
- Human vibration measurement
- Pass-by noise measurement
- Building acoustics
- Machine vibration measurement
- Modal analysis
- Order tracking analysis
- Operational vibration analysis

General technical specification of APOLLO_light data acquisition box

The Apollo_light is compatible to our established Apollo_box and Soundbook Analyzer, but without SLOW channels, SYNC port and AUX port. This reduction to main functions allows us to reduce, dimensions, power consumption and price. We offer following versions with 2, 4 and 8 channels with different connectors (see following table).

Version	Apollo_lt_2L	Apollo_lt_2B	Apollo_lt_4L	Apollo_lt_4B	Apollo_lt_8C
Order number	908500.8	908501.6	908502.4	908503.2	908504.0
Input connector	2x LEMO7	2x BNC	4x LEMO7	4x BNC	8x NIM-CAMAC

The Apollo_light is able to operate with any Windows-based PC (or Tablet) via USB 2 or USB 3 interface. We recommend to use a PC with Windows7 or higher.

Input channels 1-2/4/8

Resolution	24-bit
Real-time bandwidth	DC ... 20 kHz @ 2 ... 8 channels
Dynamic range	110 dB
Random noise	< 3 μ V(A), < 6 μ V(Z) @ 0.1 Hz ... 20 kHz
Sample rates	51.2 kHz
Decimation	down to 200 Hz sample rate, selectable per channel
Anti-aliasing filter	yes
Max. input voltage	\pm 10 V peak
Amplification	0 dB, 20 dB
Overload detection	yes
Phase mismatch	< 0.1° @ 20 Hz ... 20 kHz
Offset adjust	yes, automatically with self-calibration
Input coupling	DC, AC 0.15 Hz, HP 10 Hz, LP 2 kHz
Microphone power supply	\pm 14 V, + 20 / 63 / 200 V switchable (LEMO7 versions only)
ICP power supply	2 mA switchable
Support of IEEE 1451.4	yes

Output channels 1-2

Resolution	24-bit
Real-time bandwidth	DC ... 20 kHz
Max. output voltage	\pm 3.16 Vpeak

Service channels

Trigger	2x Trigger / Tacho, trigger level settable via software
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Physical characteristics

Dimensions	180 mm x 105 mm x 22 mm
Weight	700 g
USB cable	standard printer cable USB-A to USB-B
Power supply	via USB 2

Available Software

SAMURAI	universal multi channel noise & vibration analyzer
SINUS Matlab Toolbox	for individual programming using MATLAB as programming language
LabView	LabView driver for individual programming
μ REMUS	universal multi channel NVH software

EMC

Emission	conforming with IEC 61000-6-3
Immision	conforming with IEC 61000-6-1



Trade marks and owners

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