AUSSCO · AUDIOLOGICAL SERVICE & SUPPLY

2026 EDITION

ACS-SA3

Audiometer Analysis & Calibration System

Laboratory-grade calibration of audiometers, tympanometers, ABR and OAE equipment, in one compact USB interface with software that runs the test battery for you.

ACS-100 SA3 connected to an audiometer, microphone mounted on a coupler.

NEW FOR THE SA3

Ready for today's labs

Windows 11 compatible
Runs on current Windows 11 and Windows 10 PCs and laptops.

Polarized & prepolarized mics
Switchable 200 V polarization, or 0 V with IEPE power for prepolarized mics.

USB powered
One cable to your computer powers the interface and microphone supply.

Fitted roller case
Interface, couplers, calibrator and cables travel together.

Choose your configuration

ACS 100 SA3

● 1 Type 1 microphone · 1 mastoid

Clinical audiometer and tympanometer calibration for hearing clinics and medical centers.

ACS 200 SA3

●● 2 microphones · 1 mastoid

Dual-microphone measurements, enhanced headphone verification and flexible instrument support.

ACS 600 SA3

●●●●●● 6 microphones · 1 mastoid

High-throughput lab, production and service work with multiple simultaneous measurement points.

Features & benefits

- ✓ **Automatic control** of 73 audiometers via serial or USB
- ✓ **Audiometers, tympanometers, ABR & OAE** in one system
- ✓ **Real-time readings** with audible pass/fail tones
- ✓ **Custom certificates** with your logo; failures in red
- ✓ **Tracks customers**, instruments and calibrations due
- ✓ **125 built-in setups**, plus user-defined routines
- ✓ **Acoustic or electrical** tests, transducers as the load
- ✓ **Pre- and post-adjustment** results for every transducer
- ✓ **Handswitch & sound-room** 1/3-octave tests built in
- ✓ **Built-in standards**: ANSI S3.6, IEC 60645, ISO 389

Front: color-coded transducer jacks

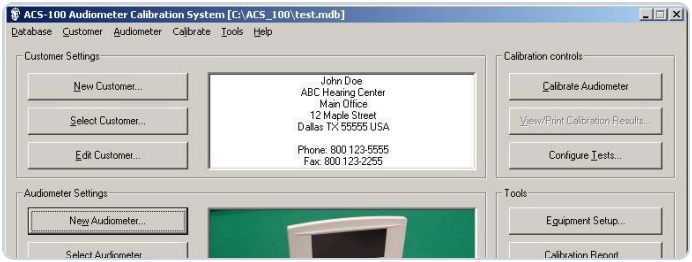
Rear: USB, Lemo/IEPE, 200 V/0 V, mastoid

Kit: fitted roller case

The software does the heavy lifting

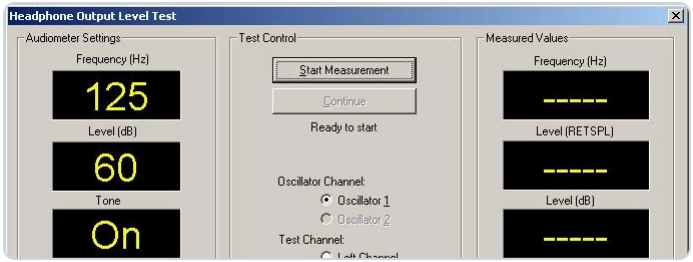
The hardware takes the measurements. The ACS software makes calibration fast, repeatable and fully documented.

ACS-SA3
WINDOWS 11 READY



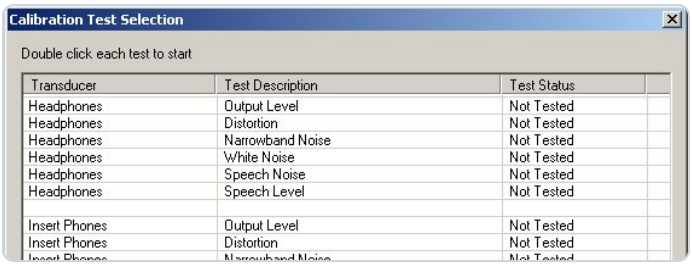
1 Pick the customer and device

Select a customer and instrument. The ACS sets the impedance and loads the calibration routine for that model, or build a user-defined routine.



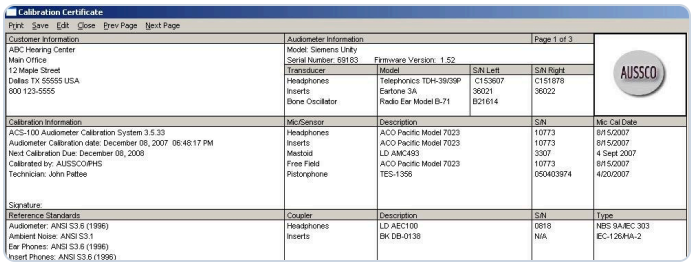
2 Measure and adjust in real time

Readings outside ANSI S3.6, IEC 60645 / ISO 389 or manufacturer limits show in red next to the target and the measured difference.



3 Manual, user-controlled or fully automatic

In fully automatic mode the ACS sets frequency, level and channel for each point; the technician only changes transducers.



4 Print a customer-ready certificate

Every result, serial number, microphone, mastoid and coupler detail, and standard used, all saved to a searchable database.

MICROPHONE SUPPORT

Use the microphones you already own

Polarized
External 200 V polarization supply

Prepolarized (IEPE)
0 V setting with IEPE / CCP preamp power built in

Choose Lemo or IEPE input and 200 V or 0 V with the rear-panel switches. No separate power supply needed.

Test coverage

Acoustic: output level, distortion, narrowband, white & speech noise, speech level

Electrical: frequency, distortion, rise/fall, overshoot, crosstalk, linearity, warble, pulse, SISI

Tympanometer: probe level, compliance, pressure, reflex level, linearity, switching

ABR & OAE: output level, distortion, intermodulation, linearity

Other: handswitch test, room acoustic levels (1/3 octave)

Accuracy

Frequency range	20 Hz to 22,000 Hz
Frequency accuracy	< ±1.0 Hz
Frequency uncertainty	0.11 Hz (95%, k=2)
Amplitude accuracy	< ±0.2 dB
Amplitude uncertainty	0.05 dB (95%, k=2)
Distortion	< 0.20% @ 125 Hz
Crosstalk	< –80 dBr
Linearity test limits	+120 HL to –10 HL

Compatibility

Operating system: Windows 11 and Windows 10

Standards: ANSI S3.6 (1969–2025), IEC 60645 with ISO 389 (2002, 2012, 2017), GSI and Interacoustics factory specs, ANSI S3.39, IEC 60645-5, ANSI S3.1, OSHA

Couplers: NBS-9A/IEC 60318-3, IEC 60318-1, IEC-126/HA-2, IEC-711, HA-1, IEC 60318-2

Mastoids: ACS-M1, B&K 4930, Larson Davis AMC493

Transducers: TDH, DD45/65/450, HDA-200/280/300, inserts, B-71/B-81 and more

Get a quote or a demo
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Sound ideas that work