

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**, auto load switching
- ✓ **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



AUSSCO Inc.
Hearing industry roots since 1955

ACS... Accurate, Complete, Simple

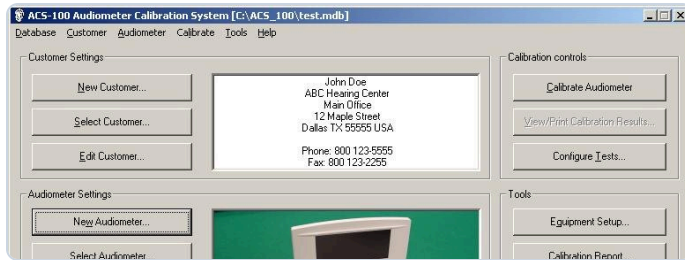
(800) 755-8272
audiometercal.com

The software does the heavy lifting

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

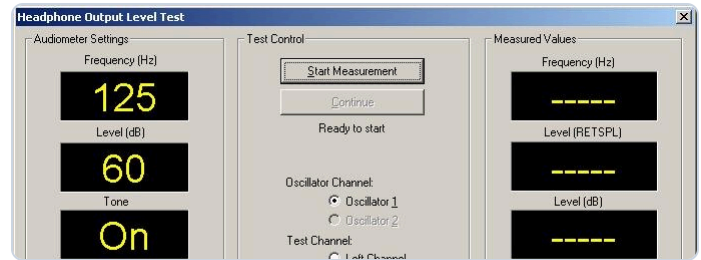
ACS-SA3

WINDOWS 11 READY



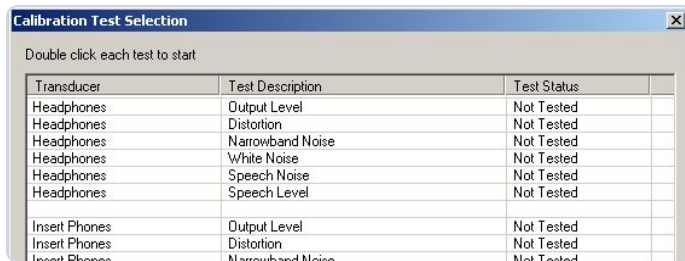
1 Pick the customer and device

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



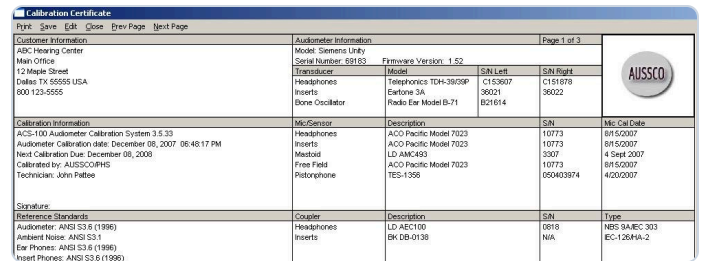
2 Measure and adjust in real time

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 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
Linearity test limits	+120 HL to -10 HL

Compatibility

Operating system: Windows 11 and Windows 10

Standards: ANSI S3.6 (1969–2010), IEC 60645, ISO 389 (2002, 2012, 2017), ANSI S3.39, S3.31, OSHA

Couplers: NBS-9A/IEC-303, IEC-318, 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

ACSSupport@AusscoCal.com

(800) 755-8272



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Sound ideas that work