

ACS Change Log
(Newest Version at bottom of list)

4/26/10 – Version 4.5.0 (100,200,600) full installers on FTP

Fixed crash on Tymp Compliance test - stack overflow on GotoSignal
Removed spaces in the customer and audiometer info (dao-null issue)

5/5/10 – Version 4.5.0.1 (100,200,600) full installers on FTP

Fixed crash when converting v3.0 or v3.5 files
Compiled Titan_IO.dll in release mode
Changed SIB parameter to A3x to H1x for HF phones
Reenabled Earscan audiometers in model list

5/18/10 – Version 4.5.0.2 (100,200,600) full installers on FTP

Titan_IO.dll and Interacoustics DLL's built in release mode

6/02/10 – Version 4.5.0.3 (100,200,600) full installers on FTP

Fixed White Noise Total Power Cal on GSI-61

6/04/10 – Version 4.5.0.4 (100,200,600) full installers on FTP

Titan changes:
Added 1300 and 2000 Hz for Probe tests
Added Cavity Calibration logic (changed Titan_IO.dll)
Disabled Reflex Switching in default cfg
Cal level parameter now using SPL instead of HL
Fixed HF Narrowband with no 1/3 octave filtering

6/25/10 – Version 4.5.0.5 (100,200,600) full installers on FTP

Revised Titan Tymp Compliance calibration logic

6/30/10 – Version 4.5.0.6 (100,200,600) full installers on FTP

Fixed bug importing HF settings from older config file

7/11/10 – Version 4.5.0.7 (100,200,600) full installers on FTP

Logic change to always save cal on GSI-61 regardless of adjustment threshold

7/19/10 – Version 4.5.0.8 (100,200,600) full installers on FTP

Changed GSI-61 bone maxHL for 8K from 80 to 75

7/20/10 – Version 4.5.0.9 (100,200,600) full installers on FTP

Fixed bug not allowing 12K frequency selection

8/4/10 – Version 4.5.0.10 (100,200,600) full installers on FTP

Completed Titan Compliance Calibration Sequence
Rev Titan_IO.dll v1.0.0.2

8/10/10 – Version 4.5.0.11 (100,200,600) full installers on FTP

Added option to edit user info before each cal
Added support for Welch Allyn AM282 (GSI-18)
Added support for Welch Allyn TM286 (GSI-39)
Preliminary (incomplete) SIB PRIMUS logging

8/14/10 – Version 4.5.0.12 (100,200,600) full installers on FTP

Completed SIB PRIMUS logging file
Added support for Belltone Audio Scout
Added support for Belltone 119

8/18/10 – Version 4.5.0.13 (100,200,600) full installers on FTP

Added Transducer SN Prompt for SIB PRIMUS logging file

8/23/10 – Version 4.5.0.14 released

SIB Log file changes:

- Changed log file cal value from dB10 to dB
- Actual log filename written to first line of log file
- Changed text prompt on log file S/N to "Enter the original transducer manufacturer serial numbers:"
- The original transducer S/N's and the 5 digit code written to log file
- Left and Right modifiers added to coupler information in log file
- Improved the logic for validating microphone equipment setup before calibrating
- Added a "Log File Path" field to the Serial Setup Dialog box.

9/3/10 – Version 4.5.0.15 released

Added Interacoustics AS608 (manual only for now)
Optimized DT_io (keep A/D subsystem open until Close(), free low level DT buffers on Close())
Optimized recovery from DT buffer overrun
Reformatted some of the screens to fit on a 10" netbook screen (buttons now on top right)
Used new RETSPL for 12.5K for HDA-280

9/28/10 – Version 4.5.0.16 released

Fix for DT crash on Win7 (subsystem handle scope)

9/30/10 – Version 4.5.0.17 released

GUI improvements for Hardware Certification version for Interacoustics

11/5/10 – Version 4.5.0.18 released

Added Interacoustics DD45 headphones

11/5/10 – Version 4.5.0.19 released

Updated RETSPLs for DD45 for both coupler types
Set Impedance to 10 Ohms if DD45 selected
GSI-18 and AM282 – reduced MaxHL at 6kHz and

12/1/10 – Version 4.5.0.20 released

Changed transducer name from “Interacoustics DD45” to “DD45”
Corrected log filename label for HDA280 for SIB

12/2/10 – Version 4.5.0.21 released

GSI-18/AM282 added button to “Reset Default Cal Data” on AudInfo

12/20/10 – Version 4.5.0.22 released

GSI-18/AM282 “Reset Default Cal Data” – removed check for ACK

12/21/10 – Version 4.5.0.23 released

Fixes for storing transducer info on eeprom for SIB Primus

1/20/11 – Version 4.5.0.24 released

Affinity/Equinox/Unity2 – Thor changes

1/24/11 – Version 4.5.0.25 private release

Titan Compliance – cal all points, exclude during validation only
Titan_IO.dll – added call to CalibrateGain() after probe cal

2/15/11 – Version 4.5.0.26 released

Support for Maico EasyTymp
Support for Interacoustics Affinity
Support for Interacoustics Equinox
Siemens Unity2 interface now common with Affinity/Equinox
Support for ANSI S3.6 2010
Added a Message box warning if ACS System Calibration date is near, exceeded, or formatted incorrectly
Added AUSSCO.INI hook [Preferences] “DisableCustomerControls” to allow you to disable customer controls on main screen. To use set DisableCustomerControls=1

3/10/11 – Version 4.5.0.27 released

Changed USBCommunication.dll to release version in installer
Rebuilt Thor_IO.dll to add version info

3/11/11 – Version 4.5.0.28 released

Fixed Affinity/Equinox loss of signal problem with insert phones (Thor/Titan DLL's v1.0.0.4).
Added a retest limit on the Rise and Fall test sections of Electrical Test
Calibration data is automatically saved to "Recovery Data.mdb" file after each test closes to allow recovery of cal data if system crashes

3/19/11 – Version 4.5.0.29 released

Thor Changes:

Added Free Field output selection to Transducer setup dialog
Changed BC White noise Retspl to 42.5 (manufacturer spec)

Other:

Added logic to fix problem causing Bone to have only 1kHz selected
Fixed problem with certificate layout that was using extra pages
Fixed bug when re-editing audiometer info for user defined tympanometry

4/27/11 – Version 4.5.0.30 released

Thor – Free Field calibration implemented (Thor_IO, Titan_IO v1.0.0.7)

4/28/11 – Version 4.5.0.31 released

Private test versions:

4.5.0.32 – Maico MA-33 test
4.5.0.33 – Callisto Test
4.5.0.34 – Maico MA-33 with attenuator cal (Callisto disabled)
4.5.0.35 – Welch Allyn Audioscope (Callisto disabled)
4.5.0.36 - Maico MA-33 –init library once (Callisto disabled)
4.5.0.37 – Rise/Fall/Over spectrum algorithm (Callisto disabled)
4.5.0.38 – Callisto private release – save transducer setup fix

v4538 – added support for AMC493-B humidity tables.

Maico MA-40, MA-41, MA-42

Maico MA-33 (manual for now)

Restrict freq span to 3% when measuring electrical ref levels

Added White Noise upper bandwidth switch to User Prefs.

Log Mic Cal Data to .mic/.mst file

8/29/11 – version 4.5.0.39 released

Added Interacoustics AD629,

Added Interacoustics Callisto

Added Interacoustics AT235, AT235H

Added support for Interacoustics AA222 Tympanometry calibration

Optimized communication logic for AA222/AT235

Fixed Insert Masking channel routing for Thor, AD629
Fixed HF Narrowband cal on AD629 and Callisto
Added Speech/Speech Noise Equivalent FF
Added Speech/Speech Noise Non Linear
Added Speech Noise ILTASS
Added Speech Noise TENoise
Added Reflex Speech Noise and White Noise
Updated RETSPL's for HF Phones for 18K and 20K per Interacoustics docs
Updated RETSPL's for DD45 per latest Interacoustics docs
Fixed bug in electrical test requiring a "Continue" press when only Insert and HF phones used
Fixed COM4 limit problem with Benson audiometers
Fixed bug when running Linearity acoustically with HF phones

Updated Interacoustics DLL's for AD629, Callisto, Thor, Titan

| | |
|---------------------|---|
| AD629_IO.DLL | v1.0.0.2 |
| Callisto_IO.DLL | v1.0.0.4 |
| Thor_IO.DLL | v1.0.0.9 |
| Titan_IO.DLL | v1.0.0.7 |
| BensonControl32.DLL | v1.2.0.0 (allows ports > COM4 to be used) |

12/12/11 – version 4.6.0.0 released

Added support for Holmco 8103 on MA-33
Corrected signal setup and routing when insert masking phone used on Ad629 and Thor
Reduced default test HL for certain HF test points that were above maxHL on Ad629 and Thor
Reduced default test HL for insert phones that were above maxHL for MA-33
CIR22 - eliminated unnecessary channel prompting during fully automatic testing
Clarified error messages with Thor/Ad629/Titan
Updated:

| | |
|--------------|-----------|
| AD629_IO.DLL | v1.0.0.3 |
| Thor_IO.DLL | v1.0.0.10 |

12/23/12 – version 4.6.0.1 released

Fixed crosstalk input channel indexing error when running electrical tests on Inserts or HF Phones on ACS-600
Thor_IO – fixed transducer logic error when both TDH and HF phones selected.

1/12/12 – version 4.6.0.2 released (also Thor_IO.DLL 1.0.0.11)

Thor – fixed transducer setup for HF/HLS phones.

2/21/12 - version 4.6.0.3 released (also Thor_IO.dll 1.0.0.12)

MA-33 serial IO enabled
Installer built with MA-33 DLL set instead of Thor/Titan
Fixed EquivFF/NonLinear right channel missing values on certificate
Amplivox 116 – manual only

3/3/12 - version 4.6.0.4 released (MA-33 support but no Thor/Titan)

RETSPLs updated for Koss HF phones at 18k and 20k
TENoise RETSPL set to 25.0 (all transducers and specs)

3/21/12 - version 4.6.0.5 released (No MA-33 support)

Sennheiser HDA-280 added to headphone list
Thor/Ad629/Callisto transducer setup logic for HDA-280 changed
New IA Calibration Pack (received Feb 15 2012) installed. DLL's recompiled:
Thor_IO.dll v1.0.0.13
Callisto_IO.dll v1.0.0.5
AD629_IO.dll v1.0.0.4
Titan_IO.dll v1.0.0.8

3/23/12 - version 4.6.0.6 released (No MA-33 support)

3/23/12 - version 4.6.0.7 released (MA-33 support but no Thor/Titan)

MA-33 changes:
SetTransducer logic
Warble test
Speech Level test tone – added delay for setup latency

4/24/12 – v4.6.0.8 test exe - private

Otovation Otosphere interface added

4/26/12 – Version 4.6.0.9 to Otovation

Otosphere Transducer Table utility added

5/8/12 – Version 4.6.0.10 to Otovation

Enabled Ampivox control logic for testing

5/15/12 – Version 4.6.0.11 – Amplivox private release

Interacoustics AD229 (same interface as AD629)

6/5/12 – Version 4.6.0.12 –private release

Fixed AD229 distortion and electrical control logic error

6/12/12 – Version 4.6.0.13 – Public release

Otovation Otosphere – Free Field test, cal date format and EEPROM slot table debugging

7/10/12 – Version 4.6.0.14 – Private release

Otovation Otosphere – turn off 1 kHz reference tone after Speech Level dialog closes

7/30/12 – Version 4.6.0.17 – Private release

Consolidated IA interfaces to IAMain_IO.dll
IA Calibration DLL pack update
Added Grason Stadler Audiostar Pro interface

8/8/12 – Version 4.6.0.19 – Private release

Otovation Otosphere – setup logic for free field speaker angles

8/9/12 – Version 4.6.0.20 – Private release to Otovation

DD45 support for SIB Primus

8/20/12 – Version 4.6.0.13a – Fix for White Noise using HF Phones – Public Release

8/20/12 – Version 4.6.0.21 – Private release

Added TDH50 support for AudiostarPro

8/30/12 – Version 4.6.0.22 – Private release

Added Notes field to Otosphere setup dialog
Added Cal Data left and right to Otosphere setup dialog
Stored WN cal to DI and US signals

9/19/12 – Version 4.6.0.23 – Private release

Revised logic for AudiostarPro impedance and extended transducer types

10/3/2012 – Version 4.6.0.24 – Private release

Changes for Otosphere error ER18 and ER20 handling

10/19/12 – Version 4.6.0.25 – Private release

Added new “Validation Margins” feature

10/19/12 – Version 4.6.0.26 – Private release

Interacoustics AC40 interface support
GN Otometrics Astera interface support
GN Otometrics Aurical Aud interface support

11/14/12 – Version 4.6.0.27 – Private release

- Validates the Audiostar Pro coupler dependent transducer setting against the corresponding coupler selection in the equipment setup. For example, if the Audiostar is set to EAR3A artificial ear, the coupler setting the the ACS equipment setup must match (IEC-711) or an error message will be shown.

- The dialog box prompting the technician to select the transducer type to be used for electrical tests will default to headphones and automatically timeout after 60 seconds.

- Set the next calibration date on the audiometer to current date plus 12 months. This logic applies to all IA models.

- HF Phones HDA-200 RETSPL value set as follows:

Case 1: 18K = 83, 20K = 105

GSI-61

Audiostar Pro

AC40

AD629

AD229

And new IA audiometers

Case 2: 18K = 72, 20K = 86

All other IA audiometers

GN Otometrics (Aster/Aurical) Logic changes to fix shutdown crash

SIB_PRIMUS

- Post Calibration Actions.

- Copy calibration data to EEPROM on transducer plug. A new set of control buttons have been added for this under the "Setup Audiometer" dialog box in the Audiometer setup panel.

12/15/12 – Version 4.6.0.28 – Private release

IAMain_IO.dll – fixed transducer indexing for Callisto (Inserts could not be selected)

New IA Calibration Pack from Peter Garup (Audiostar Pro NBN changes)

IAMain_IO.dll v1.0.0.7

Titan_IO.dll v1.0.0.13

1/22/13 – Version 4.6.0.29 – Private release

Added interface support for Interacoustics AD226

Interacoustics Callisto – added support for HAD-200

Real_Ear Primus – detection of transducer logic and support for PI-1

GNO Astera/Aurical – fixed disconnect/reconnect issue

IAMain_IO.Dll version 1.0.0.8

Titan_IO.dll version 1.0.0.14

4/5/13 – Version 4.6.0.30 - Public Release

Fixed EAR5A transducer selection error on some devices
Lock Audiostar Pro keyboard when in calibration mode
Set Callisto HF Retspl for 18K and 20K same as Audiostar Pro
Fixed issue with Adjustment threshold and cal value/offset (resulted in the calibration value not being adjusted (pre = post) under certain boundary conditions).
Added logic to only list transducer information on certificate if one or more tests are selected in the certificate setup options.
Added impedance on certificate (just to the right of the firmware version).
Changed the test order for fully automatic Tymp (moved volume and pressure tests to end) to allow uninterrupted calibration of probe and ipsi levels.
Added 2.5 second delay after saving cal data on MA-41/42 before closing connection
IAMain_IO.Dll version 1.0.0.9

4/20/13 – Version 4.6.0.31 - Public Release

Added interface support for Inventis Models (Bell/Harp/Piano/Piccolo)
Faster performance when “Search for Audiometer” used (SQL query)
AudiostarPro – refined logic for determining Impedance value on certificate
Added selection for Speech standard in Test Configuration
Selectable Speech standards for IEC/ANSI/Norway/Sweden)
Speech standard shown on certificate
View Calibration – Edit button allows standards to be selected before printing certificate
Narrowband 1/3 Octave switch added to test Configuration
White Noise bandwidth switch added to test Configuration
Equip setup - added option for insert mic to be connected to 2nd mic channel (ACS-100 only)
Otovation Otosphere – Slot table tool shows values in red if MaxHL exceeded
Otovation Otosphere – sound card playback volume set to 100 during Speech Level cal
Otovation Otosphere – send ANSI command after connecting to unit
Signal Analyzer – added spectrum and time series plots
Signal Analyzer – added “Minimize” button to shrink display

8/16/13 – Version 4.6.0.32 - Private Release

Allow Tymp Reflex tests with no Contraphone
Revised TENnoise RETSPL values for AudiostarPro
Asteria/Aurical – additional error checking for calibration values

9/23/13 – Version 4.6.0.32A - Public Release

Revised DD45 RETSPL values per updated values from WDH
Revised HDA200 RETSPL values at 18 and 20K for Affinity/Equinox per WDH requirements

10/15/13 – Version 4.6.0.32B - Public Release

Added serial interface support for Benson NEXT audiometer

10/26/13 – Version 4.6.0.32C - Public Release

Developmental testing changes for Amplivox models

11/08/13 – Version 4.6.0.32D - Public Release

Corrected linearity validation logic issue

11/13/13 – Version 4.6.0.32E - Public Release

Added support for the Sennheiser HDA-300 HF phones (not yet available for the Interacoustic models when under automatic control).

Added option to include individual calibration information in the Select Audiometer results listing.

Added clipboard support for the contents of the Select Audiometer and Search Audiometer results listing; allows the search results to be copied and pasted into Excel or other program.

Added user selectable path for the microphone and mastoid files. This allows the .mic and .mst files to be located in a different folder than the main program location. This new setting is in the Equipment Setup dialog box near the bottom of the panel.

Added logic to validate the microphone and mastoid calibration dates and warn the user if any are expired or due for calibration within 30 days. To accommodate this, the microphone and mastoid calibration date field has been changed to a calendar control - you will be prompted to convert the old date string to a calendar date code when editing an existing .mic or .mst file.

Added Run/Stop toolbar buttons to the Spectrum and Time Series plots in the Signal Analyzer. Allows you to pause the analyzer without changing back to the main analyzer control tab.

2/27/14 – Version 4.6.0.33 - Public Release

Fixed problem with mic calibration when option selected to allow insert mic to be connected to 2nd mic channel (ACS-100 only).

Otovation Otosphere - added slight delay after starting NBN/WN/SN before measuring level to allow signal to fully start.

Improved Pulse Width measurement logic to better deal with cases when the actual frequency differs significantly from the test frequency.

3/12/14 – Version 4.6.0.34 - Public Release

Added support for the new transducers (IP30/HDA300/B81) in the Audiostar Pro
Transducer Impedance detection and notation for the Audiostar Pro
Functionality from Titan_IO.dll merged into IAMain_IO.dll. Titan_IO.dll no longer used.

4/22/14 – Version 4.6.0.35B – Private test release

Fixed problem with causing negative instrument serial numbers to be displayed.

Added new Free Field Retspl values for 2010 spec

Added option to include individual calibration information in the Audiometer Search results listing.

Fixed missing headers on certificate in certain scenarios

Added support for Siemens Unity 3

5/7/14 – Version 4.6.0.36 - Public release

Updated Retspl values for DD45 when using a 318-1 coupler (artificial ear) per Interacoustics tables

5/15/14 – Version 4.6.0.36A - Public release

Fixed audiometer label issue on certificate

5/20/14 – Version 4.6.0.36B - Public release

Changes for all Amplivox instruments

Changes for Tremetrics RA-800

Fix for Real Ear Primus and Unity 3 Electrical test logic

Fix for Click measurement

7/17/14 – Version 4.6.0.36G - Private release

Added slight delay on signal analyzer start when click option selected to avoid startup transients

7/29/14 – Version 4.6.0.37 - Public release

Added DD45 and IP30 to list of selectable Contra phones

Amplivox PC850 and SD270 models listed separately

Added Holmco 8103 interoctave RETSPL values and extended Speech types

9/3/14 – Version 4.6.0.37A - Private release

Added support for Interacoustics AT235 (V3)

9/29/14 – Version 4.6.0.37B - Private release

Updates for Interacoustics AT235 (V3)

10/9/14 – Version 4.6.0.37C - Private release

Updated interface components to fix compatibility problem with dispenser software for Interacoustics Equinox, Affinity and Calisto.

10/21/14 – Version 4.6.0.38 – Public release

Implemented new Cavity Volume Calibration logic for AT235 V3

Added Pressure Calibration buttons (0 and -200)

Added Contra Phone transducer setup capability

11/8/14 – Version 4.6.0.38A – Private release

Changes for AT235 V3 tympanometry tests

11/12/14 – Version 4.6.0.38B – Private release

Changes for AT235 V3 tympanometry tests

11/14/14 – Version 4.6.0.38C – Private release

Added Smart Diagnostic Devices – Smart Tone audiometer (manual calibration)
Removed automatic control for GN Astera and Aurical (firmware issues)
Changed default ACS Logo

11/26/14 – Version 4.6.0.39 – Public release

Added support for Tymp Probe transducer setup for Interacoustics models
Added individual Test HL settings for special speech noise types
Reflex LBN/BBN/HBN noise bandwidth set to 100 to 10K
Fixed Validation Margin logic issue with Reflex test
Narrowband spec added to specifications list on Certificate
Removed warning message about Contra phone setup when only Probe is enabled
White Noise bandwidth test options now (250-5K or 100-10K)

1/6/15 – Version 4.6.0.39A – Private release

User Preferences – Test Options: added option “Allow Editing Configuration” to prevent inadvertent cfg changes in a production environment. If enabled, Config filename is stored in the calibration notes.
Interacoustics Factory Specification for Tympanometry added
Interacoustics – special buttons “Print ANSI” and “Print IEC” added to View Cal – Specs tab
Otovation – added support for DD65 transducers
Update for Inventis firmware v6.00

1/21/15 – Version 4.6.0.39B – Private release

Changes for AuditData models
Primus Fitting Unit +
ILTASS support
Write Script capability

2/3/15 – Version 4.6.0.39C – Private release

Support for AS608, MA-25 (V2), MA-27 (V2), Colson K20
Changes for AuditData instrument setup utility

3/15/15 – Version 4.6.0.39H – Private release

Fixed problem causing excessive distortion at 6kHz and above with large microphone corrections

4/14/15 – Version 4.6.0.40 – Public release

Added automatic support for the following instruments:
Maico MA-25
Maico MA-51
Maico MA-52
Interacoustics AS608
Colson K20

Siemens Unity 3 – Bone calibration written to both left and right channels

5/1/15 – Version 4.6.0.41 – Public release

Support for GSI Tymptest Pro and Maico Touch Tymptest
IA Cal Pack (Apr 29 2015), IA_Main v1.0.0.22
Update for DT API interface libraries

5/8/15 – Version 4.6.0.41A – Private release

Support for Contra phone on Probe Box or Device for TymptestPro/Touch Tymptest/AT235
IA Cal Pack (Apr 29 2015), IA_Main v1.0.0.26
Siemens Unity 3 – Bone PI and MO calibration values stored in both left and right
Siemens Unity 3 – logic change to turn signal back on after adjustment warning dialog box shown.
Siemens Unity 3 – fix label on certificate for insert phones

6/12/15 – Version 4.6.0.41C – Private release

TouchTymptest - Fixed problem reading transducer info after change/reboot.
Tymptest Pro - Read/Write probe serial number
Click Level - set level equal to tone peak to peak level
Probe output level - max/min cal values set to +/-15

6/17/15 – Version 4.6.0.41D – Private release

Click Test – removed validation of click target level

6/18/15 – Version 4.6.0.41E – Private release

Siemens Unity 3 – Bone Osc cal date set for both left and right cal tables.

6/24/15 – Version 4.6.0.41F – Private release

Siemens Unity 3 – Bone Osc Retspl set for both left and right tables.
Inventis Models – Turn pulse mode off when exiting pulse width test
Validation – fixed problem validating tymptest reflex frequency

7/10/15 – Version 4.6.0.42 – Public release

9/30/15 – Version 4.6.0.42 – Removed due to issues with Unity 2 distortion – update will be available soon.

Support for Audit Data Primus Pro
Interacoustics Eris platform instruments
ABR and OAE tests
IA calibration pack update – fixes Unity 2/Affinity/Equinox extended range error (distortion issue)

2/12/16 – Version 4.6.0.43G – Private Release (IA Main v1.0.0.29)

Support for GSI Tymptest
Support for GSI Pello
Support for Radioear DD450 HF phones
Changed name of Maico easyScreen to screenEar
Support for IEC 60645 2012
Support for IOWA probe model

3/28/16 – Version 4.6.0.44 – Private Release (IA Main v1.0.0.31)

Fix for problem with distortion level for Unity 2/Equinox/Affinity
Support for Interacoustics AA222 (Model 1078)
Corrected Tymp Compliance spec limits displayed on View calibration page
Corrected Welch Allyn Audioscope retspl values
Changed Maico to MAICO

6/9/16 – Version 4.6.0.45 – Public Release (IA Main v1.0.0.33)

Corrected message box text when failing to connect to certain models to require VC++ 2012 runtime instead of VC++ 2008.

7/13/16 – Version 4.6.0.45B – Public Release (IA Main v1.0.0.33)

Added support for new ACS hardware platform (EM-2)
Added support for Auditory Brainstem Response (ABR)
Added support for Otoacoustic Emissions (OAE)
Added support for the following instruments:

- Inventis Bell
- Inventis Harp
- Inventis Piano
- Inventis Piccolo
- Tremetrics RA800
- Interacoustics AT235 (Model 1077)
- Interacoustics AA222 (Model 1078)
- Auditdata Primus Fitting Unit +
- Auditdata Primus Fitting Unit Pro
- MAICO touchTym
- Grason Stadler Tymstar Pro
- Grason Stadler Tymstar
- Siemens Unity 3
- MAICO MA 25 (Model 1135)
- MAICO MA 27 (Model 1150)
- Colson K20
- Interacoustics Sera
- MAICO easyScreen
- Grason Stadler Novus
- Grason Stadler Pello
- MAICO MA 28 (Model 1155)
- Tremetrics RA660 (Model 1164)
- Entomed SA-201
- Entomed SA-202
- Entomed SA-203
- Entomed SA-204
- Grason Stadler Audiostar Pro (2067)
- Interacoustics Lyra
- MAICO MI 44 (Model 1154)
- Amplivox Otowave 102
- Amplivox Otowave 202
- Amplivox Otowave 302

2/20/18 – Version 5.0.0.19C – Public Release

Added Interacoustics AD528
Added Interacoustics DG80
Maico MA-1
Maico MA-11 Classic
Maico MA-11 Beraphone
Custom pressure test steps for Tymp
Holmco 9501 Retspl speech change
IAMain 1.0.0.54 cal pack 4/9/18

4/26/18 Version 5.0.0.20 – Private Release

Changed logic to prevent performing Electrical tests on insert masking channel

5/15/18 Version 5.0.0.20A – Private Release

Support for calibrating DD45 headphones on Inventis audiometers

6/1/18 Version 5.0.0.20B – Public Release