COMPLIANCE IMMUNITY SOFTWARE

THE DEFINITIVE SOFTWARE ENVIRONMENT FOR EMC TESTING
CIS VERSION 6.0

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WHAT'S NEW

New Device Drivers :
• NSG 6000

New features :
• Optical Design Update
• Functional Improvements

Applications :
• New GTEM Application
• Improved Industry Application

BENEFIT

CIS 6

Modular, integrated,
flexible test
environment.

BENEFIT

SUPPORT

Experienced technical
team ready to help with
installation, training and
support.

COMPLIANCE RF IMMUNITY TESTING TO ANY STANDARD

Compliance Immunity Software, CIS 6 is a sophisticated, easy to use and fully featured RF EMC software package capable of performing all types of EMC immunity testing in standard and specialized applications. The unique feature of Compliance Immunity 6 is that it allows easy standard testing for users who want to do straight forward testing, while at the same time allows a user to write customized applications to adapt the software to meet his specific test requirements.

Multi-user with administrator control means that Compliance Immunity 6 is suitable for Commercial Test Laboratories and Manufacturers. Compliance Immunity 6 allows the user to configure tests while giving the administrator overall control of important files such as transducer factor files, calibration data and results.

Industry, GTEM specific application packages ensure that set-up time is minimized while providing fully compliant, fast , efficient and repeatable testing. Optional packages are available for Military, Aircraft, Automotive and Reverberation Chamber testing.

Each test type has its own dedicated start form which the operator can make a few simple configuration choices before initiating the test. Basic parameters which are required by the standard are coded into the test. In some cases these can be changed by the administrator.

Customization made easy, which allows user to write his own applications and drivers for specific products and applications.
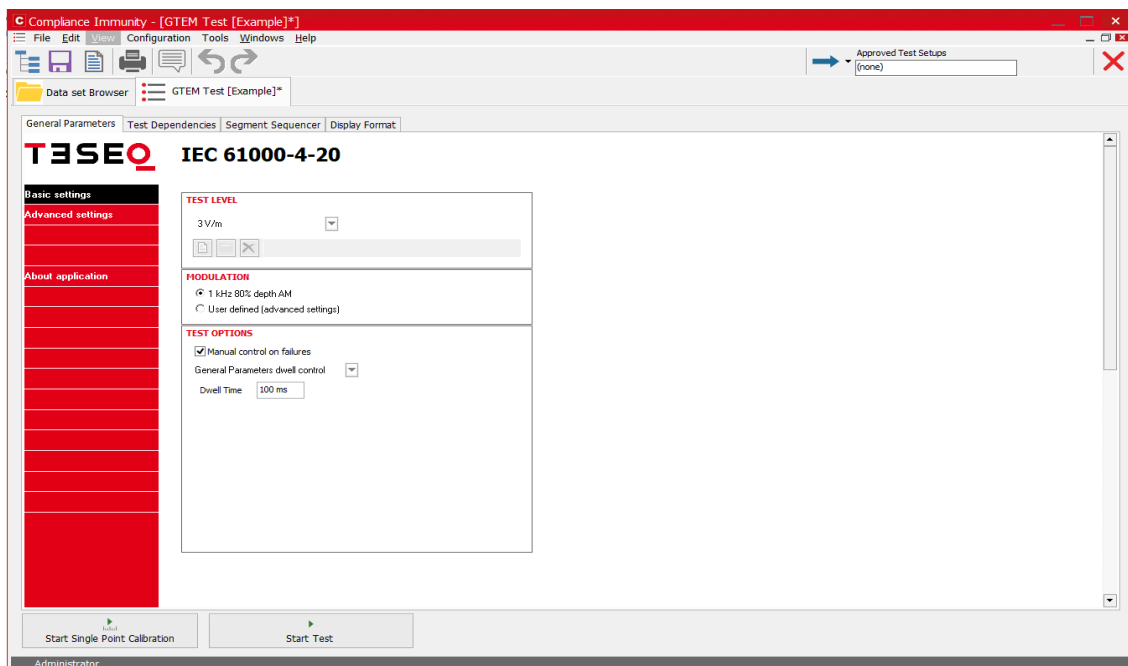
Reporting is made easy using the AMETEK CTS 'Global Report' function which automatically places test details, graphs, tables, etc. into a pre-existing template.

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SET-UPS PACKAGED BY APPLICATION

Industry specific application packages make compliance testing quick and easy. Selecting the specific instrumentation and instrument address in the pre-loaded configuration template is the only action required to prepare the system for use.

The software is provided as basic and allows the user to write his own customized applications. As standard, the following optional applications can be purchased by the user:
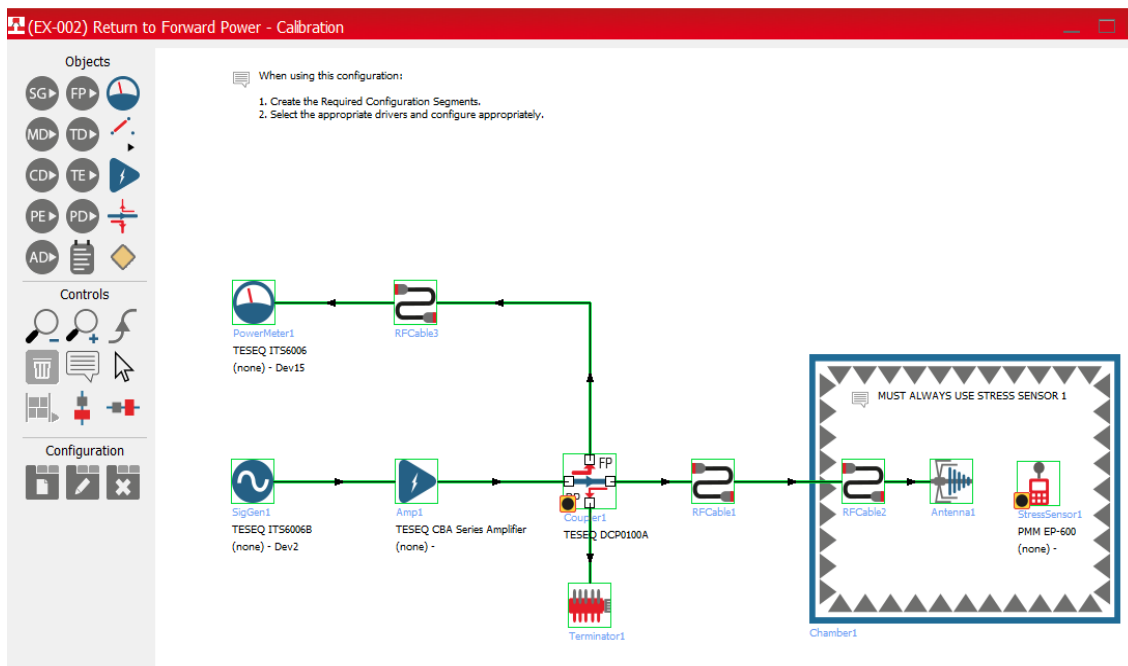
Industry	Military	Aircraft	Automotive
IEC 61000-4-3 IEC 61000-4-6 IEC 61000-4-20	MIL-STD 461 D CS 114, RS 103 MIL-STD 461 E CS 101, CS 109, CS 114, RS 101, RS 103 MIL-STD 461 F CS 114, RS 103	RTCA DO-160E DO-160F DO-160G Section 20 RF conducted and Radiated Immunity	ISO 11452-2, SAE J1113/21 ISO 11452-3, SAE J1113/24 ISO 11452-4, SAE J1113/4 ISO 11452-5, SAE J1113/23 ISO 11452-6, SAE J1113/21 Manufacturer's Standards

COMPLIANCE RF IMMUNITY TESTING TO ANY STANDARD

Pre-configured tests mean that the only set-up required is to select the type and address of the specific instruments to be used in the test.

Hardware configuration templates are embedded into each test. Simple drag and drop tools allow these to be customized by the operator. Specific items or equipment and their address are selected once and the configuration is then saved for continued use.
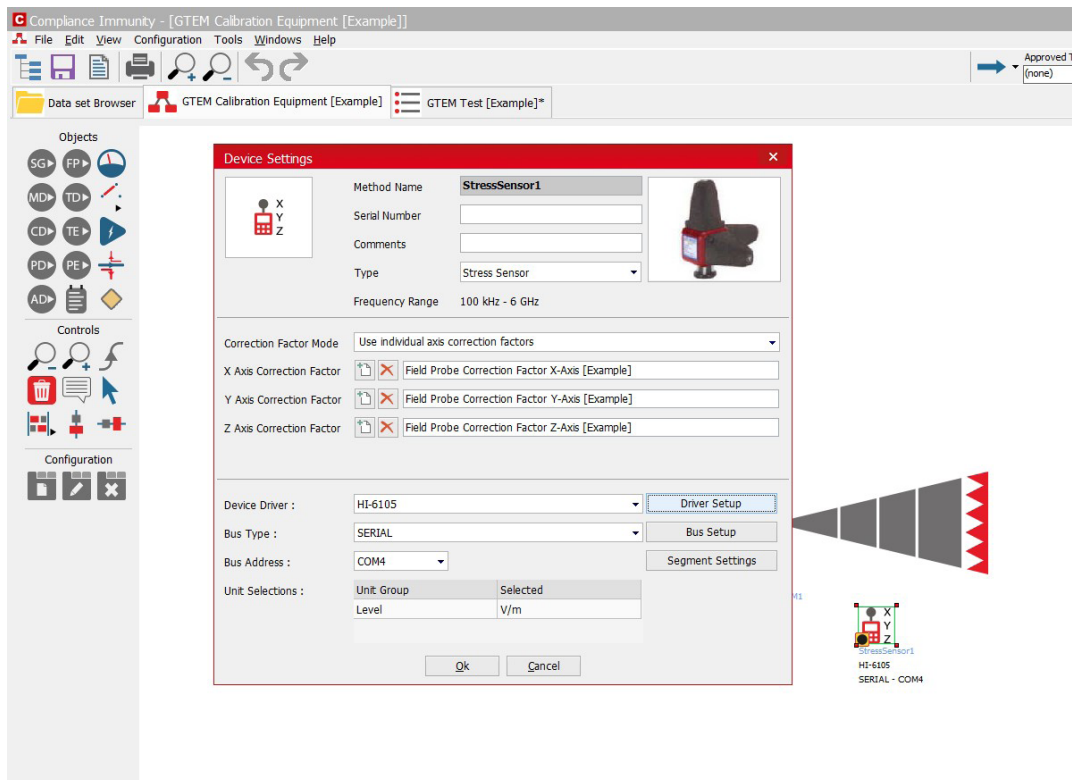

Simple forms specific to each different type of test allow the user to make a few simple selections before starting the test. Appropriate limits, frequency ranges, test levels, etc. are preloaded into each test to make the process quick, simple and most importantly, repeatable.

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AMETEK®
COMPLIANCE TEST SOLUTIONS

ENHANCED USER CUSTOMIZATION

Advanced users can utilize the additional functionality to modify test procedures, test set-ups and EUT test sequences to further enhance the software performance, and to customize the system to their own needs.

All software functions can be modified by the user. New tests can be created by editing existing files. Tools are provided to allow editing of instrument drivers, test methods, EUT test sequences and report formats.
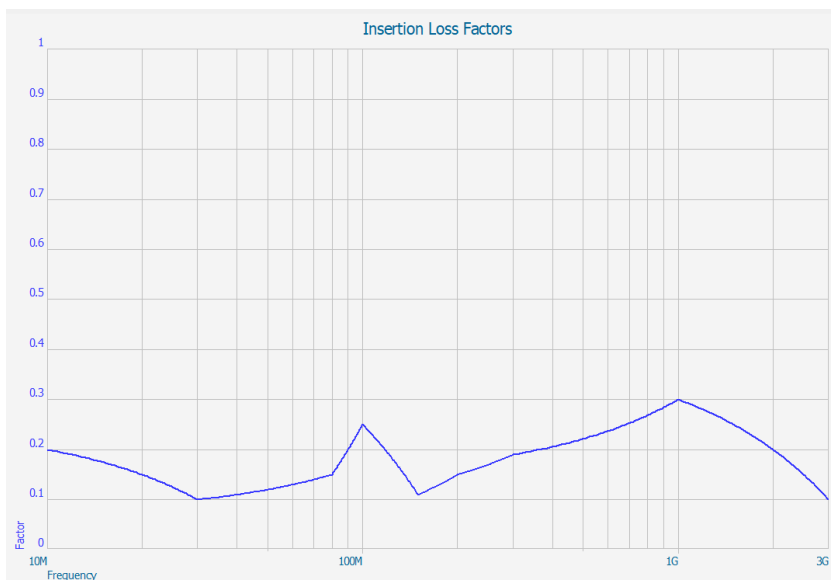

With many different instruments supported by our extensive driver database, AMETEK CTS offers a large range of instrument support available for download.

A driver editing tool is also included with Compliance Immunity 6, enabling the user to modify, adapt or even write his own drivers.

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ENHANCED USER CUSTOMIZATION

Compliance test laboratories require a high level of control over the storage, use and recording of test parameters and calibration factors. Compliance Immunity 6 has a complete administrator control system which allows configuration and equipment details to be stored along with the results.

Factors can be entered manually or imported into simple files which can be locked or made 'read only' by the system administrator.

A graphical representation of the data is automatically created on a user-selectable log or linear axis. This is provided to visually alert the user of any erroneous data points. Data can be easily imported from various file formats including Notepad, CSV, Tab Delimited and many others.

User Administration: The system administrator can create any number of shared areas and users, and can assign different access rights to the shared areas for each user. This allows users to access the various factor files and tests with the appropriate permission to modify these files.

Access to the administrator area is password-controlled. The administrator assigns each user their own password, allowing them to log into the system with the rights assigned by the administrator.
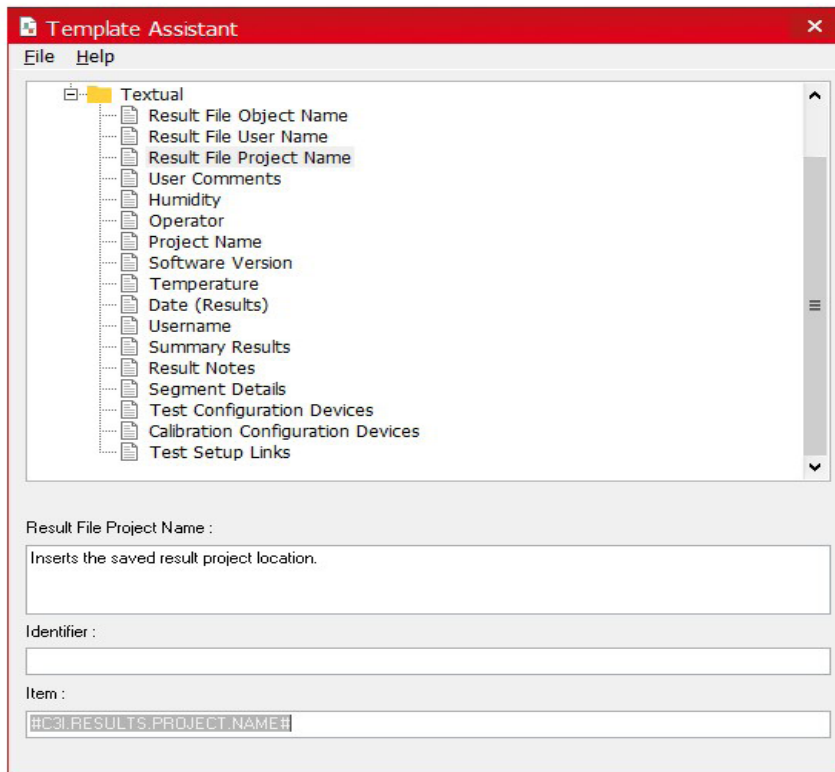
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FLEXIBLE AND CUSTOMIZED REPORTING

Reporting is a vital part of any test function and can be very time consuming. Compliance Immunity 6 includes a sophisticated reporting package which reduces the burden on test engineer's valuable time.

In Compliance Immunity, reports can be produced from a result, calibration or chamber file. Pre-formatted templates can be created including company logo, explanatory text and pictures.

Global Report uses a simple tool (Template Assistant) to insert 'placeholders' into the document in order to create a template. At the end of a test Compliance Immunity 6 fills the placeholders in the template with graphs, tables and test details.

Report Templates can be created using Microsoft Word and saving the document in the rich text format. Report Tags can be added to the word document using the Template Assistant program that should be installed with the latest version of Compliance Immunity.

PRODUCT DETAILS & INSTALLATION

Compliance Immunity 6 and its associated industry specific applications require the use of a hardware key (dongle). One dongle is supplied for each new license purchased. For upgrades, a dongle will already be in the user's possession.

The dongle also allows you to transfer the licence between a number of PCs loaded with the same version of the software without the need for re-registration.

Compliance Immunity	Items Supplied		Notes
New User	USB pen drive	Dongle	Software will self register from the dongle
Upgrade from C5	Compliance Immunity USB pen drive		User's dongle will require upgrade
Upgrade from earlier version	Compliance Immunity USB pen drive	Dongle	License will need to be transferred to the dongle and then upgraded
Additional Industry specific applications			
Supplied with new purchase			Install file is on the Compliance Immunity pen drive and the dongle is pre-loaded with required codes
Supplied with an upgrade			Install files in on the Compliance Immunity pen drive, dongle will require an upgrade code
Supplied separately	Compliance Immunity pen drive		User's dongle will require an upgrade code

PC Requirements, the software is compatible with Windows 7, Windows 8 and Windows 10.

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SERVICE AND SUPPORT

Customization service. Compliance Immunity 6 is designed to allow the user to create any test method required. This great flexibility is one of the most important benefits of this software. However, many find this initial task daunting and prefer a more 'out of the box' approach. Two service options are therefore available:

AMETEK CTS can provide a series of standard, pre-configured test packages for either, commercial, GTEM, industry, automotive, military or aircraft testing. These packages can be easily imported into the standard software and with minimal adjustments to the hardware configuration, adapted to the user system.

AMETEK CTS can provide test method customization services to create totally new test methods based on customer needs, or to modify one of the above packages to suit individual needs.

Support contracts. AMETEK CTS provides a yearly renewable service contract which entitles the user to free upgrades as new software versions are issued plus free access to our online help desk. The help desk can offer immediate assistance with installation, operation and functionality of the software and will act to liaise between the user and our team of software and applications engineers to solve more detailed questions. The help desk takes ownership of all customer contacts and will ensure that all questions are answered and that the contact is taken to a conclusion.

Off-Line software. Many Immunity Compliance 6 users find it helpful to be able to work with the software in the comfort of their office when updating calibration files, preparing new tests and analyzing results. AMETEK CTS therefore offers a low cost off-line version of the software which can be used for any function except actually controlling test equipment. Files can be passed to and from the main operational software thus allowing tests to be prepared and reports to be issued without utilizing the main computer.

Licensing and security. Immunity Compliance 6 is licensed using a hardware key (dongle). Each software package purchased is supplied with a USB key that will activate the software on any PC while it is plugged in. This provides maximum flexibility and security. Should the PC fail, the software can be loaded onto a new PC and so long as the CIS 6 data set has been backed up, the system can be back and working in less than an hour.

ORDERING INFORMATION

Compliance Immunity 6 software can be ordered as a basic software, where the user is flexible to write his own applications or order the applications from AMETEK CTS.

The following applications and combinations can be ordered:

Product	Item Number	Description
CIS-S	345-611	Compliance Immunity with 12 months support; License on key; for each additional license
CIS App Industry	345-612	Compliance Immunity Industry application; valid on one key
CIS App GTEM	345-614	Compliance Immunity GTEM application; valid on one key
CIS App Automotive	345-616	Compliance Immunity Automotive application; valid on one key
CIS App Aircraft	345-618	Compliance Immunity Aircraft application; valid on one key
CIS App Military	345-620	Compliance Immunity Military application; valid on one key
CIS Add Mil/Air	345-622	Purchase of Mil/Air app for an already purchased Air/Mil app
CIS App RVC	345-623	Compliance Immunity Reverb Chamber application; valid on one key
CIS MR	345-625	Compliance Immunity,1 year support agreement renewal; for one license
CIS Upgrade	345-627	Upgrade Compliance 3/5 Immunity to eq. Compliance Immunity; for one license
CIS Support/Upgrade App	345-629	Upgrade an existing app on Compliance 3/5 to new version of the App on CIS or general compliance software support (on site or via web/email)

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COMPLIANCE TEST SOLUTIONS

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