

IZYTRONIQ

Database Software for Complete Management and Documentation of the Testing Process

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- Management of equipment, machines, systems, medical devices, inspectors, test instruments, catalogues and sequences in clear-cut tree structures
- Individual data fields
- Bidirectional data exchange with test instruments
- Manual entry of measured values
- Reports can be saved as PDF documents
- Report editor for individualized test report templates (including company logo and signatures, as well as attachment of photos and documents)
- Analysis and trending of identical test sequences for a given object
- Aggregate statistics with failure rate as percentage
- Barcode generator with Profiscan support and for label printing
- Remote control function for connected test instruments
- Creation of device sequences
- User administration, as well as role and rights management for users

The exact range of functions depends on the respective variant. See variants and scope of functions on pages 2 and 3.



Modern Data Management with Intuitive Menu Navigation

IZYTRONIQ is specially developed test software with which the entire testing scenario can be visualized, managed and documented in an audit-proof, instrument-independent fashion. And thus for the first time ever, measurement and test data from various test instruments and multimeters can be combined into a single test and documented. Intuitive operation and a modern look assure quick access to all functions.

Quick and easy setup of complex structures and tests – IZYTRONIQ's user interface was developed in keeping with this principle.

Thanks to intelligent selection and suppression of momentarily unnecessary tools and work areas, the user is only offered options for actions which are actually relevant for the respective task.

Usability is supported by the creative design of the meaningful icons and the representation of complex database relationships in tree structures.

The display can be individually adapted in order to switch back and forth between table, tree and index card views, portrait and landscape formats, as well as touchscreen and mouse operation.

Due to the fact that objects and locations are assigned by means of drag & drop, even complex operations such as the assignment of previously entered objects to other locations including properties, buildings, floors and rooms are no trouble at all. Practical features such as a remote mode and a push-print function extend the operating options and simplify the transmission of measured values along with all relevant characteristic data. Flagged data records with GUID identifiers assure maximum data integrity.

The software is available on different scales and in different versions for the commercial trades, for industry and for training applications.





The business versions are available as single-user licenses at three different expansion stages which can be upgraded at any time, and with integrated SQLite database.

The network-compatible enterprise variants are based on a Microsoft SQL database in combination with modern, floating licensing. Their scope of functions includes access rights at different levels and data replication for online and offline applications. This permits simultaneous work with the software by an entire test team.

The cloud variant makes the IT infrastructure immediately available as a package and also permits simultaneous work with the software within the test team – with full security of course!

Main Modules

IZYTRONIQ is broken down into modules in a clear-cut fashion:

- Portable objects (devices and medical devices)  Testing, acquisition and management of portable devices
- Stationary objects (machines and systems)  Testing, acquisition and management of stationary devices
- User administration  Entry and management of users
- Test instrument management  Entry and management of test instruments

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Business Variants

Local installation and use on a single computer is the common feature of all business variants. The software is installed to individual PCs. One license is required for each workstation. Multi-user operation within a network is not supported.

However, several users can be set up. All users have the same rights.

ENTERPRISE Variants

Teamwork is the common feature of the enterprise variants. The software is installed to several PCs which share data in a single database. Depending on the variant, data can be made available online as well as offline. Depending upon requirements, any number of licenses can be purchased for multi-user operation.

CLOUD Variant

The GMC-INSTRUMENTS CLOUD provides the necessary IT infrastructure as a package for a monthly usage fee – everything is available immediately! There's no need to have your own servers etc.

Only the full-feature CLOUD variant is installed to the clients, for each of which a user license is required. Data resides in the secure cloud, so no matter where you are geographically, you can access it from anywhere and work as a team.

EDUCATION Variants

The EDUCATION variants are intended and licensed exclusively for use in training and education applications.

Please refer to the table on the following page to view all of the functions and their availability in each respective variant.

Supported Instruments

IZYTRONIQ is capable of managing the following measuring and test instruments and documenting their measured values:

- METRAHIT IM XTRA BT
- METRAHIT IM E-DRIVE BT
- METRAHIT IM TECH BT
- PROFITEST INTRO <in preparation>
- PROFITEST MBASE+ IQ, PROFITEST MTECH+ IQ
- PROFITEST MPRO IQ, PROFITEST MXTRA IQ
- PROFITEST PRIME, PROFITEST PRIME AC
- SECULIFE Ip IQ
- SECUTEST ST BASE and SECUTEST ST BASE10 with SECUTEST DB+ database expansion (Z853R)*
- SECUTEST ST PRO and SECUTEST ST PRO BT comfort with SECUTEST DB+ database expansion (Z853R)*
- SECUTEST BASE and SECUTEST BASE10 with SECUTEST DB+ database expansion (Z853R)*
- SSECUTEST PRO with SECUTEST DB+ database expansion (Z853R)*
- SECULIFE ST BASE and SECULIFE ST BASE25 with SECUTEST DB COMFORT database expansion (Z853S)*

* Test data can be read from the instrument without the database expansion, but nothing can be transferred to the instrument. The database expansion is thus required for the full range of functions.

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Variants and Functions

Functions	Business				Education		Enterprise		Cloud
	Starter	Advanced	Professional	Premium	Professional	Premium	Premium	Ulti-mate*	Pre-mium**
Tests and Devices Under Test									
Stationary objects (machines and systems)	×	×	×	×	×	×	×	×	×
Portable objects (equipment and medical devices)	×	×	×	×	×	×	×	×	×
Tree structure for locations (properties, buildings, floors, rooms)	×	×	×	×	×	×	×	×	×
Test instrument management	×	×	×	×	×	×	×	×	×
Catalog management	×	×	×	×	×	×	×	×	×
Activate/deactivate devices (remove from service)	×	×	×	×	×	×	×	×	×
Create and manage device sequences	×	×	×	×	×	×	×	×	×
Manual entry of measured values	×	×	×	×	×	×	×	×	×
Remote function (automated test sequences) ¹			×	×	×	×	×	×	×
Push-print ²	×	×	×	×	×	×	×	×	×
Save/delete filter			×	×	×	×	×	×	×
Reports and printing									
Simple universal report as PDF file	×	×	×	×	×	×	×	×	×
PROFITEST distribution log			×	×	×	×	×	×	×
Individualized report template generation with Microsoft Word®		×	×	×	×	×	×	×	×
Company logo can be integrated into report		×	×	×	×	×	×	×	×
Scanned signature can be integrated into report		×	×	×	×	×	×	×	×
Images/photos can be integrated into test reports			×	×	×	×	×	×	×
Document management (attachments as Word®, Excel® and PDF files, or photos and images)			×	×	×	×	×	×	×
Simple list generator (PDF, Excel)	×	×	×	×	×	×	×	×	×
PROFISCAN list generator		×	×	×	×	×	×	×	×
Analysis and trending									
Analysis and trending for identical tests on a given object			×	×	×	×	×	×	×
PDF printout with global statistics including failure rate as percentage			×	×	×	×	×	×	×
Dashboard function			×	×	×	×	×	×	×
Program									
Quicklinks (save/delete tree structure selection)			×	×	×	×	×	×	×
MULTI changes			×	×	×	×	×	×	×
User administration	×	×	×	×	×	×	×	×	×
Role and rights management for users				×		×	×	×	×
Extended registration card with individual data fields				×		×	×	×	×
Interfaces and Communication									
Import and export of tree structures to and from test instruments ³	×	×	×	×	×	×	×	×	×
Data import from test instrument (objects, measurements, catalogs and sequences)	×	×	×	×	×	×	×	×	×
Data export to test instrument (objects, catalogs and sequences)	×	×	×	×	×	×	×	×	×
Data import with attachments (IZY file)				×		×	×	×	×
Data export with attachments (IZY file)				×		×	×	×	×
Data import from PCDOC IQ user software	×	×	×	×	×	×	×	×	×
Data import from NEXONIQ software	×	×	×	×	×	×	×	×	×
Merging of various IZYTRONIQ databases				×		×	×	×	×
Data storage on a common database (SQL server)							×	×	×
Offline operation and data replication ⁴								×	×
Automatic database backup									×
License									
Single user license (PC specific)	×	×	×	×	×	×		×	
Multi-user operation as floating license model (concurrent user license)							×		
Named user license									×

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* ENTERPRISE Ultimate is an additional license for the provision and automatic synchronization of on and offline data (data replication*).

At least one ENTERPRISE Premium license is required as a prerequisite.

One Ultimate license is required for each mobile workstation (outdoor/offline). Data replication takes place between the server and the mobile workstation (see footnote 4).

** Premium CLOUD makes it possible to work with data in the cloud.

Regardless where they are, any number of users can simultaneously access the same datasets in the cloud. A GMC-INSTRUMENTS CLOUD subscription is required. One user is included in the price – further licenses are required for each additional user.

Premium CLOUD offers all of the functionality provided by an IZYTRONIQ ENTERPRISE Premium license.

1 For SECUTEST ST BASE and SECUTEST ST BASE10 with SECUTEST DB+ database expansion (Z853R), SECUTEST ST PRO and SECUTEST ST PRO BT comfort with SECUTEST DB+ database expansion (Z853R), SECUTEST BASE and SECUTEST BASE10 with SECUTEST DB+ database expansion (Z853R), SECUTEST PRO with SECUTEST DB+ database expansion (Z853R), SECULIFE ST BASE and SECULIFE ST BASE25 with SECUTEST DB COMFORT database expansion (Z853S).

Test data can be read from the instrument without the respective database expansion, but nothing can be transferred to the instrument. The database expansion is thus required for the range of functions described in this documentation.

2 For PROFITEST MBASE+ IQ, PROFITEST MTECH+ IQ PROFITEST MPRO IQ, PROFITEST MXTRA IQ, PROFITEST PRIME, PROFITEST PRIME AC, SECULIFE IP IQ, METRAHIT IM XTRA BT, METRAHIT IM E-DRIVE BT, METRAHIT IM TECH BT, SECUTEST ST BASE and SECUTEST ST BASE10 with SECUTEST DB+ database expansion (Z853R), SECUTEST ST PRO and SECUTEST ST PRO BT comfort with SECUTEST DB+ database expansion (Z853R), SECUTEST BASE and SECUTEST BASE10 with SECUTEST DB+ database expansion (Z853R), SECUTEST PRO with SECUTEST DB+ database expansion (Z853R), SECULIFE ST BASE and SECULIFE ST BASE25 SECUTEST DB COMFORT database expansion (Z853S).

Test data can be read from the instrument without the respective database expansion, but nothing can be transferred to the instrument. The database expansion is thus required for the range of functions described in this documentation.

3 For trees with mobile objects using SECUTEST ST BASE and SECUTEST ST BASE10 with SECUTEST DB+ database expansion (Z853R)* SECUTEST ST PRO and SECUTEST ST PRO BT comfort with SECUTEST DB+ database expansion (Z853R)*, SECUTEST BASE and SECUTEST BASE10 with SECUTEST DB+ database expansion (Z853R)*, SECUTEST PRO with SECUTEST DB+ database expansion (Z853R)*, SECULIFE ST BASE and SECULIFE ST BASE25 with SECUTEST DB COMFORT database expansion (Z853S)* and stationary objects using PROFITEST MBASE+ IQ, PROFITEST MTECH+ IQ PROFITEST MPRO IQ, PROFITEST MXTRA IQ, PROFITEST PRIME, PROFITEST PRIME AC, SECULIFE IP IQ.

4 Data replication refers to multiple storage of the same data in different locations and synchronization of the utilized data sources. It's generally used to make data available on and offline in multiple locations. The user can transfer a subset of data from the main database to the local database on his or her notebook or tablet and continue working with this data offline. The locally acquired data can be subsequently synchronized with the main database. When working in a large test team, interaction between IZYTRONIQ ENTERPRISE Premium and IZYTRONIQ ENTERPRISE Ultimate ensures that data conflicts are avoided to the greatest possible extent, and are detected no later than during return transmission.

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System Requirements

Depending on the variant, **IZYTRONIQ** is installed to the system variously:

- BUSINESS variants: local installation (to the client)
- EDUCATION variants: local installation (to the client)
- CLOUD variant: local installation (to the client)
- ENTERPRISE variants: Installation of the front-end (locally to the client) and the backend (to the server)

Local Installation and Clients

Minimum Requirements

- Operating system: Windows 10 version 1809
- .NET Framework 4.6.1*
- CPU: Dual core i3, > 3.4 GHz or comparable (only x86 and x64 processors are supported)
- RAM: ≥ 4 GB
- Hard disk: at least 4 GB available memory (depending on data volume)
- Resolution: 1280 × 800
- Cloud: Internet connection

Recommendations

- Operating system: Windows 10 version 1909
- .NET Framework 4.6.1*
- CPU: Quad core i7, 2.8 GHz or comparable (only x86 and x64 processors are supported)
- RAM: ≥ 8 GB
- Hard disk: at least 8 GB available memory (depending on data volume)
- Resolution: 1920 × 1080
- Touchscreen and active pen
- Cloud: Internet connection

* The installation wizard determines whether or not .NET Framework 4.6.1 is already installed. If not, it's installed.

ENTERPRISE Backend

Default installation is typically to a single server on which the following components are installed:

- Application server
Provision of services for the **IZYTRONIQ** client
- Database
Microsoft SQL Server 2016 or newer version as backend database
- Synchronization service
IZYTRONIQ backend synchronization service (Windows service) for synchronizing the client database to the backend database, or importing data from the test instruments.
- License activation tool

The server's hardware must be adequately dimensioned in accordance with system utilization. Furthermore, certain software components must be installed and certain settings must be made.

Minimum requirements – hardware

- Operating system: Windows Server 2016
- CPU: quad core
- RAM: ≥ 8 GB
- Hard disk: at least 10 GB available memory (depending on data volume)
- Network: ≥ 100 Mbit/s

Recommendations – hardware

- Operating system: Windows Server 2016
- CPU: quad core
- RAM: ≥ 16 GB
- Hard disk: at least 15 GB available memory (depending on data volume)
- Network: ≥ 1 Gbit/s

Access requirements

- Location: Intranet
- Access: domain access
- Accessibility: via HTTPS from the clients (via intranet)

Required software components and settings

- Microsoft SQL Server 2016 or newer: for the database
 - Appropriate software can be obtained from Microsoft for a license fee.
 - Mixed mode authentication is recommended in the case of an MS SQL Express installation.
 - Minimum hardware requirements (with reference to an IZYTRONIQ ENTERPRISE single server installation – should be scaled up depending on usage patterns and workload): quad core CPU, 8 GB RAM, 100 GB hard disk space
- Microsoft SQL Management Studio
- Microsoft Internet Information Services (IIS) with
 - All common HTTP features except WebDAV publishing
 - Health and diagnostics
 - HTTP logging
 - Request monitor
 - Performance:
 - Static content compression
 - Security:
 - Request filtering
 - Basic authentication
- Application development
 - .NET Extensibility 4.6
 - ASP.NET 4.6
 - ISAPI extensions
 - ISAPI filters
- Management tools
 - IIS management console
 - IIS 6 management compatibility
 - Complete
- .NET Framework 4.6. 4.6 features (Installation of .NET Framework 4.6.1 or later can be executed by a corresponding Microsoft installation program.)
 - WCF services
 - HTTP activation

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Order Information

Type	Description	Article No.
BUSINESS Starter	Local database software	S101V
BUSINESS Advanced	Local database software	S102V
BUSINESS Professional	Local database software	S103V
BUSINESS Premium	Local database software	S105V
EDUCATION Professional	Same scope of functions as BUSINESS Professional	S104V
EDUCATION Premium	Same scope of functions as BUSINESS Premium	S106V
ENTERPRISE Premium	Floating network license	S107V
ENTERPRISE Ultimate	Outdoor license for data replication	S109V
DIGITAL IQ Commercial Trades Package	Premium CLOUD	Available from www.gossenmetrawatt.cloud
COLLECTION CLOUD	Premium CLOUD, ELEXONIQ (inventory app), VIZIONIQ DASHBOARD (customer portal)	Available from www.gossenmetrawatt.cloud
ENTERPRISE Premium scalable license	Additional floating license for ENTERPRISE Premium	S108V
Upgrades		
BUSINESS Advanced upgrade	From BUSINESS Starter to BUSINESS Advanced	S102X
BUSINESS Professional upgrade	From BUSINESS Advanced to BUSINESS Professional	S103X
BUSINESS Professional upgrade	From BUSINESS Starter to BUSINESS Professional	S103R
BUSINESS Premium upgrade	From BUSINESS Starter to BUSINESS Premium	S110V
BUSINESS Premium upgrade	From BUSINESS Advanced to BUSINESS Premium	S111V
BUSINESS Premium upgrade	From BUSINESS Professional to BUSINESS Premium	S112V
ENTERPRISE Premium upgrade	From BUSINESS Starter to ENTERPRISE Premium	S113V
ENTERPRISE Premium upgrade	From BUSINESS Advanced to ENTERPRISE Premium	S114V
ENTERPRISE Premium upgrade	From BUSINESS Professional to ENTERPRISE Premium	S115V
ENTERPRISE Premium upgrade	From BUSINESS Premium to ENTERPRISE Premium	S116V
Modules		
NEXONIQ	Data converter for various test instruments and ETC files	Z957A

Further information is available on the Internet at:

- www.izytron.com
- www.gossenmetrawatt.cloud
- www.gossenmetrawatt.com