

EQWin Product Sheet

EQWin®

**Environmental
Data Management
Solutions**

Effective data management is essential in monitoring any environmental impact, assessing mitigation measures, and submitting meaningful and reliable reports to both management and regulators.

Working closely with leading global companies, GemTeck develops easy to use desktop and enterprise-wide software products that greatly assist engineers in managing the effect of their operations on the environment.

EQWin Standard

GemTeck's "lite" data management system, *EQWin Standard*, is well suited to single-user operations, where data access/storage on a network is not a priority.

EQWin Data Manager

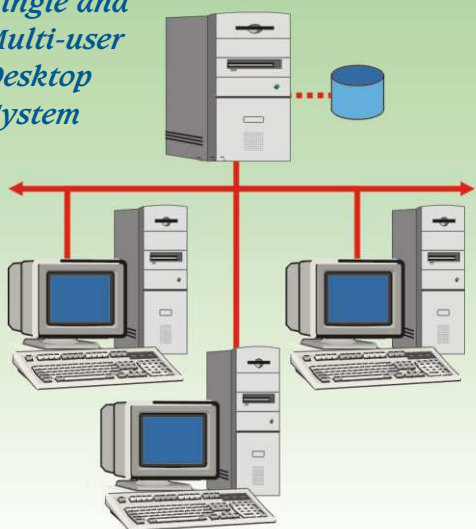
EQWin Data Manager supports totally new technology, including complete integration with Microsoft Excel™. Its' unique "Query by Formula" system, new functions (designed specifically for MS Excel™) and enhanced functionality, address more demanding data management needs. This system gives users complete control over their data, and is the perfect choice for those inputting detailed sample information, and needing increased data QA/QC and flexible custom reporting capabilities, *all whilst working in a familiar spreadsheet environment.*

Users can now accomplish many tasks *directly within* MS Excel™ using this powerful, yet easy-to-use system, *including:*

- ❖ Validate and check data, before importing into *EQWin*
- ❖ Create ad-hoc queries, custom reports and graphs
- ❖ Instantly update user-defined report templates on the fly
- ❖ "Pull" data from the database using GemTeck's innovative "Query by Formula" system

The **DESKTOP SYSTEM**, with MS Access database, is suitable in both single-user and multi-user environments on a network, where users are less concerned with the increased data sharing, security, and integrity that "industrial strength" corporate databases offer.

Single and Multi-user Desktop System



Enterprise Level System



GemTeck's **ENTERPRISE-LEVEL SYSTEM** is the most technologically advanced, multi-user data management system on the market. This makes it the *best* solution for those operations that value high levels of data security, auditability, integrity, scalability, data sharing (across corporate and global networks), and Web-based input/output and report viewing.

EQWin Sample Manager

EQWin Sample Manager, a module to the core *EQWin Data Manager*, manages entire sample taking processes, including scheduling, planning, e-mail notification, calendars, reminders, as well as generating chain-of-custody forms and sample-bottle labels.

EQWin-GIS Interfaces

These easy-to-use GIS interfaces allow users to extract and visualize *any* time-based environmental data stored in the *EQWin* database, including exceedances, directly from within the GIS platform.

Single-user



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Technology:

The EQWin product suite is designed for use on Microsoft Windows 95/98/ME/NT/2000/XP operating systems, and for Microsoft Office 97/2000/XP.

EQWin Standard: This "Lite version" is designed exclusively for single-user, stand-alone, desktop use. It makes use of FoxPro dbf database files, and only accesses data stored on the user's local computer. *EQWin Standard* uses proprietary and integrated data input, validation, query, report-writer and graphing utilities.

EQWin Data Manager and EQWin Sample Manager: These leading edge, scalable, database applications are designed with multi-tiered, database independent, client/server architecture. This efficiently facilitates both single-user local access, and multi-user local and wide-area network access (LAN/WAN). These are designed for use on Microsoft NT Servers running Microsoft Internet Information Server (IIS) on a TCP/IP network. The databases supported include:

- (1) Single-user, desktop : Microsoft Access (JET database engine)
- (2) Multi-user, desktop : Microsoft Access (JET database engine) and SQL Server (MSDE database engine)
- (3) Multi-user, enterprise-level : Microsoft SQL Server and Oracle databases

- EQWin Data Manager's comprehensive VB programming interface, based on COM technology, supports custom VBA application development and third-party product integration utilizing EQWin data and business processes
- Multi-user enterprise-level systems have an audit log, multi-level security and allow authorized internet access

Software Products

EQWin Standard

EQWin Data Manager

EQWin Sample Manager

GIS/EQWin Interface

Data Input and Validation:

- Sampling location (station) details; parameter/analyte/contaminant details; compliance/regulatory standards (limits)
- Sample and parameter classes (categories), coordinates, sampling methods, user-defined factor applied to 'less than' values
- Data import from various field/analytical laboratory spreadsheet layouts
- User-definable data validation rules
- Automatic data validation, integrity checking, error trapping, and unit conversion
- Import data error and messaging system, with direct correction capabilities
- User-defined calculations: for calculated parameters, and for variable standards (i.e. those based on variable parameters)
- User-configurable result qualifiers/codes (remark codes)
- Data import process (data integrity checks and validation) directly *within EQWin*
- Data import process (data integrity checks and validation) directly *within Microsoft Excel™*
- User-configurable import layout templates
- Single detection limit
- Multiple method detection limits (MDL's), parameter aliases, sampling protocols, analytical methods, and CAS numbers
- Additional user-defined fields can be added to the Stations Table only
- Additional user-defined fields can be added to multiple tables
- *Basic* field and laboratory sampling QA/QC capability
- *Comprehensive* field and laboratory sampling QA/QC capability
- Variance report - Imported data flagged, based on variance of historic data
- Exceedance report - Imported data flagged, based on exceedance of compliance standards
- Multiple laboratory support for samples comparisons and differing analytical methods
- "Reportable" and "Alternative result" capture for split samples tested at different laboratories
- User-assigned or automatically generated sample numbering system and batch data import system
- Batch sampling and batch analysis capturing capability

Functionality:

- Database administration, back-up/restore and table maintenance
- User-specified handling of non-detects ("less than" values)
- Recognition and maintenance of significant figures
- Customizable terminology and language-independent user-interface (saved with each user)
- Database synchronization via date-based file update system (per e-mail)
- Database synchronization over LAN/WAN
- Customizable field names (saved with each database)

Data Query and Output Reports:

- Integrated query system, custom report writer and graphing capabilities within the EQWin application
- Integrated graphing of statistical functions and compliance limits
- "Query-by-form" system for add hoc reports and graphing
- Various report layouts and templates, including exceedance reports
- Flagging of exceedances and violations against multiple regulatory standards and permit levels
- Statistical analyses and summary data
- Seasonal variation report with exceedances based on Standard Deviation
- Seasonal variation report with exceedances based on Standard Deviation and confidence intervals
- Basic data query/filter system
- Comprehensive data query/filter system
- Full integration with Microsoft Excel™ for all data input, analysis, output, custom reporting and graphing
- Proprietary "Query-by-formula" system designed specifically for Microsoft Excel™
- Supports full SQL query capability
- Options to sort, arrange, capture report formats and store output data in various user-defined layouts in Microsoft EXCEL™
- Saved report templates, including format and style, for repetitive reporting schedules

EQWin Modules:

- Environmental task/sample scheduling and planning
- Advance e-mail notification, to key individuals and selected alternates
- Task calendar with reminders, acceptance and confirmation
- Timeline and responsibility reports
- Chain of custody form generation
- Sample-bottle label generation
- Use EQWin's "Query-by-form" system directly within GIS platform
- View time-based query results as tables, reports and graphs directly on a map
- Customisable station symbol, size, and colours
- User-definable "Info-box" to highlight specified information at each station
- Default graphical display of data at each station over specific time periods
- Automatically create GIS station location layers from data in EQWin's database
- Add/modify station locations directly from GIS application via "Live-link" to EQWin database

E = Significantly enhanced functionality compared to EQWin Standard