

# Software

ebro® offers exactly the software you need:

- Evaluation software for any applications:  
Winlog.pro
- Evaluation software for EBI 25 data loggers:  
Winlog.web
- Evaluation software for pharmaceutical and medical applications:  
Winlog.med and Winlog.validation

Software/Features	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Event Triggered Recording	●	●	●	●
Script-Calculations	●			●
System-Scripts	●			
Picture Manager	●		●	
Measure in Charts	●			
Cursor	●	●	●	
Realtime Calculations	●	●	●	●
Ranges	●	●	●	
Range-based Calculations	●	●	●	
Statistics per Range	●	●	●	
Relative Time Axis	●			
Configurations	●	●(2)	●(2)	
Firmware-Update	●	●	●	●
Import	●(1)			
Calibration	●	●	●	
Automatic File Name Generation	●			
21 CFR Part 11	●	●	●	●
User Administration	●	●	●	●
Audit-Trail	●	●	●	●
Advanced Chart Features	●			
Multi Document Support	●	●	●	
Export (Excel, PDF)	●	●	●	●
Customizable Company Logo	●	●	●	●
Wireless Support	●	●	●	●
2D Placement	●		●	●
3D Placement			●	
Routine Check	●(3)	●	●	
Validation	●(3)		●	
Unit Administration	●	●	●	●
Split Measurements	●	●	●	
Advanced Alarm-Management (Zones)	●(5)			
App Winlog.mobile				●
IQ/OQ	●		●	●

(1) Winlog.validation  
(2) Template based

(3) Manual  
(4) Since V2.5  
(5) EBI 310 only

(6) Since V2.6  
(7) Since V3.3  
(8) Since V3.5

(9) Since V2.8  
(10) Since V3.7



Supported Logger Types	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
EBI 10	●	●	●	
EBI 11	●	●	●	
EBI 12	●(9)	●(10)	●(10)	
EBI 16		●(8)	●(8)	
EBI 20	●	●(7)	●(7)	
EBI 25				●
EBI 40	●	●(7)	●(7)	
EBI 100	●	●	●	
EBI 310	●(6)	●(7)	●(7)	
CT 830	●	●	●	
PHT 830	●	●	●	

System Requirements	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Windows 7 / 32 bit	●	●	●	●
Windows 7 / 64 bit	●	●	●	●
Windows 8 / 32 bit	●	●	●	●
Windows 8 / 64 bit	●	●	●	●
Windows 10 / 32 bit	●	●	●	●
Windows 10 / 64 bit	●	●	●	●
Memory	≥ 1GB	≥ 1GB	≥ 1GB	≥ 4 GB
Hard Disc Memory	≥ 300 MB	≥ 1 GB	≥ 1 GB	≥ 20 GB
CD/DVD Drive	●	●	●	●
Screen Resolution	≥ 1024x768	≥ 1024x768	≥ 1024x768	≥ 1024x768
Processor	Pentium 1GHz+	Pentium 1GHz+	Pentium 1GHz+	Dual Core 2 GHz+

Market Overview	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Food	●			●
Industry	●		●	●
Pharmaceutical	●		●	●
Medical	●	●	●	●

Available Languages	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
English	●	●	●	●
French	●	●	●	●
Italian	●	●	●	●
Spanish	●	●	●	●
Chinese	●	●	●	●
Japanese	●	●	●	
Korean	●	●	●	
Portuguese		●	●	
Greek		●	●	
Czech	●	●	●	●
Swedish	●	●	●	
Dutch	●	●	●	
German	●	●	●	●
Turkish		●	●	
Polish		●	●	
Norwegian		●	●	

# Evaluation Software for Any Applications

## Winlog.pro

For the programming and reading of ebro data loggers and for the evaluation of the measured values, ebro offers the professional software **Winlog.pro**.

### Benefits

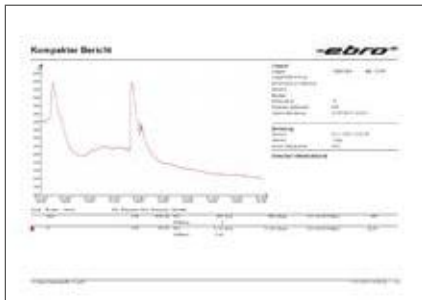
- Easy installation
- Easy programming of the data loggers, no prior knowledge required
- Extensive and custom report generation
- Suitable for all applications
- Security by compliance with FDA 21 CFR Part 11

### Extensive Report Generation

The software makes it easy to generate standard and custom reports:

- Compact, one-sided report (1)
- Multi-page, detailed report (2)
- Tabular report with the measurement values (3)
- Insertion of your own company logo possible (4)
- Export data to Microsoft Excel® and PDF (5)
- Integration of pictures and graphics possible (Winlog.pro only) (6)

(1)



(3)

Zeitpunkt	Temperatur	Feuchtigkeit	Druck	...
10.10.2012 10:00	20.5	65	1013	...
10.10.2012 10:05	20.8	66	1013	...
10.10.2012 10:10	21.0	67	1013	...
10.10.2012 10:15	21.2	68	1013	...
10.10.2012 10:20	21.5	69	1013	...
10.10.2012 10:25	21.8	70	1013	...
10.10.2012 10:30	22.0	71	1013	...
10.10.2012 10:35	22.2	72	1013	...
10.10.2012 10:40	22.5	73	1013	...
10.10.2012 10:45	22.8	74	1013	...
10.10.2012 10:50	23.0	75	1013	...
10.10.2012 10:55	23.2	76	1013	...
10.10.2012 11:00	23.5	77	1013	...
10.10.2012 11:05	23.8	78	1013	...
10.10.2012 11:10	24.0	79	1013	...
10.10.2012 11:15	24.2	80	1013	...
10.10.2012 11:20	24.5	81	1013	...
10.10.2012 11:25	24.8	82	1013	...
10.10.2012 11:30	25.0	83	1013	...
10.10.2012 11:35	25.2	84	1013	...
10.10.2012 11:40	25.5	85	1013	...
10.10.2012 11:45	25.8	86	1013	...
10.10.2012 11:50	26.0	87	1013	...
10.10.2012 11:55	26.2	88	1013	...
10.10.2012 12:00	26.5	89	1013	...
10.10.2012 12:05	26.8	90	1013	...
10.10.2012 12:10	27.0	91	1013	...
10.10.2012 12:15	27.2	92	1013	...
10.10.2012 12:20	27.5	93	1013	...
10.10.2012 12:25	27.8	94	1013	...
10.10.2012 12:30	28.0	95	1013	...
10.10.2012 12:35	28.2	96	1013	...
10.10.2012 12:40	28.5	97	1013	...
10.10.2012 12:45	28.8	98	1013	...
10.10.2012 12:50	29.0	99	1013	...
10.10.2012 12:55	29.2	100	1013	...

(5)

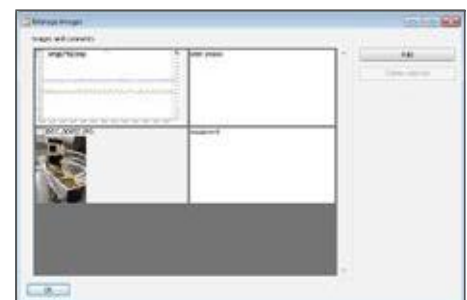
Zeitpunkt	Temperatur	Feuchtigkeit	Druck	...
10.10.2012 10:00	20.5	65	1013	...
10.10.2012 10:05	20.8	66	1013	...
10.10.2012 10:10	21.0	67	1013	...
10.10.2012 10:15	21.2	68	1013	...
10.10.2012 10:20	21.5	69	1013	...
10.10.2012 10:25	21.8	70	1013	...
10.10.2012 10:30	22.0	71	1013	...
10.10.2012 10:35	22.2	72	1013	...
10.10.2012 10:40	22.5	73	1013	...
10.10.2012 10:45	22.8	74	1013	...
10.10.2012 10:50	23.0	75	1013	...
10.10.2012 10:55	23.2	76	1013	...
10.10.2012 11:00	23.5	77	1013	...
10.10.2012 11:05	23.8	78	1013	...
10.10.2012 11:10	24.0	79	1013	...
10.10.2012 11:15	24.2	80	1013	...
10.10.2012 11:20	24.5	81	1013	...
10.10.2012 11:25	24.8	82	1013	...
10.10.2012 11:30	25.0	83	1013	...
10.10.2012 11:35	25.2	84	1013	...
10.10.2012 11:40	25.5	85	1013	...
10.10.2012 11:45	25.8	86	1013	...
10.10.2012 11:50	26.0	87	1013	...
10.10.2012 11:55	26.2	88	1013	...
10.10.2012 12:00	26.5	89	1013	...
10.10.2012 12:05	26.8	90	1013	...
10.10.2012 12:10	27.0	91	1013	...
10.10.2012 12:15	27.2	92	1013	...
10.10.2012 12:20	27.5	93	1013	...
10.10.2012 12:25	27.8	94	1013	...
10.10.2012 12:30	28.0	95	1013	...
10.10.2012 12:35	28.2	96	1013	...
10.10.2012 12:40	28.5	97	1013	...
10.10.2012 12:45	28.8	98	1013	...
10.10.2012 12:50	29.0	99	1013	...
10.10.2012 12:55	29.2	100	1013	...



(2)



(4)



(6)



## Winlog.pro

### Professional software



- Enables real-time monitoring with wireless data loggers
- Formula editor for calculating the F0-value of the absolute humidity, the PE value etc.
- Display of the timeline either absolute or relative
- Customized definition of individual areas possible (with their own statistics and calculations)
- Including calibration tool for data loggers
- Integration of pictures and graphics into reports possible
- IQ/OQ documentation to qualify the system available



#### System Requirements

So that the software can run on your computer with any problem, your computer must meet the following requirements:

##### Hardware Requirements:

- At least 1 GHz processor speed
- At least 1 GB working memory
- At least 1 GB free hard disc space
- USB (Universal Serial Bus)

##### Software requirements:

Operating system Microsoft®

- Windows 7 (32 Bit and 64 Bit)
- Windows 8 (32 Bit and 64 Bit)
- Windows 10 (32 Bit and 64 Bit)

Type	Description	Part No.
Winlog.pro	Professional evaluation software	1340-2355
IQ/OQ Winlog.pro	Installation and Operation Qualifications for Winlog.pro	1340-2286

# Evaluation Software for EBI 25 Data Loggers

## Winlog.web

For programming and readout of EBI 25 data loggers as well as for evaluating the measurement values. The software automatically collects and evaluates data and alerts if necessary.

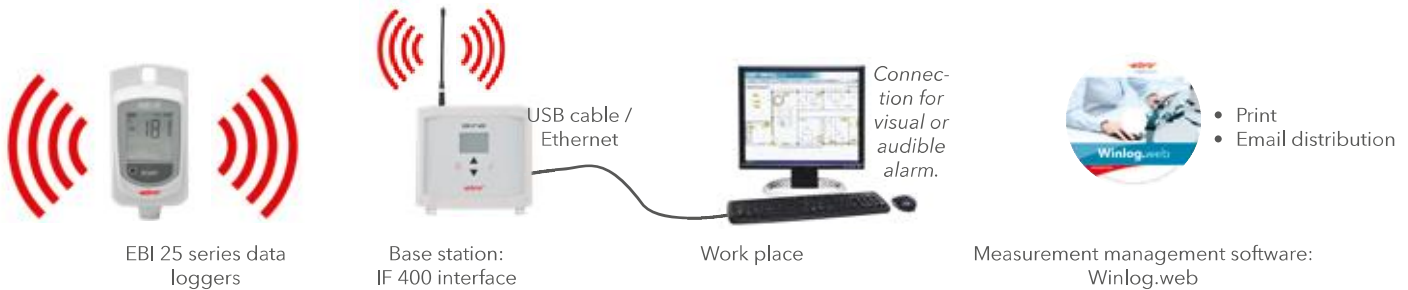
## Functionality

The innovative EBI 25 system monitors wirelessly, transmits the data in real time to an interface (base station) and from there to the desired server or PC.

As soon as a temperature, humidity or any other measurement has exceeded a user defined limit, an alarm is immediately sent via email.

*Please find the EBI 25 Data Logger Family starting on page 62.*

### Wireless measurement    Real time transmission to an interface    Evaluation on the PC



Quick graphical overview of all measurement points including an image or floor plan view:





## Winlog.web

*Professional version internet  
and local network based use*



- Web based client/server solution: the measurement data can be evaluated on all PCs and smartphones via the internet or connected to the local network
- Very flexible and wide alarm management: alarm notifications upon user defined conditions, alarm notification via email; visual and audible alarm via the graphical user interface
- Connection of the interface IF 400 via USB and Ethernet
- FDA 21 CFR Part 11 data security functionality
- Management of larger data sets
- IQ / OQ documentation to qualify the system available

### System Requirements

To enable the software to operate smoothly, your computer must meet the following requirements:

#### Hardware requirements:

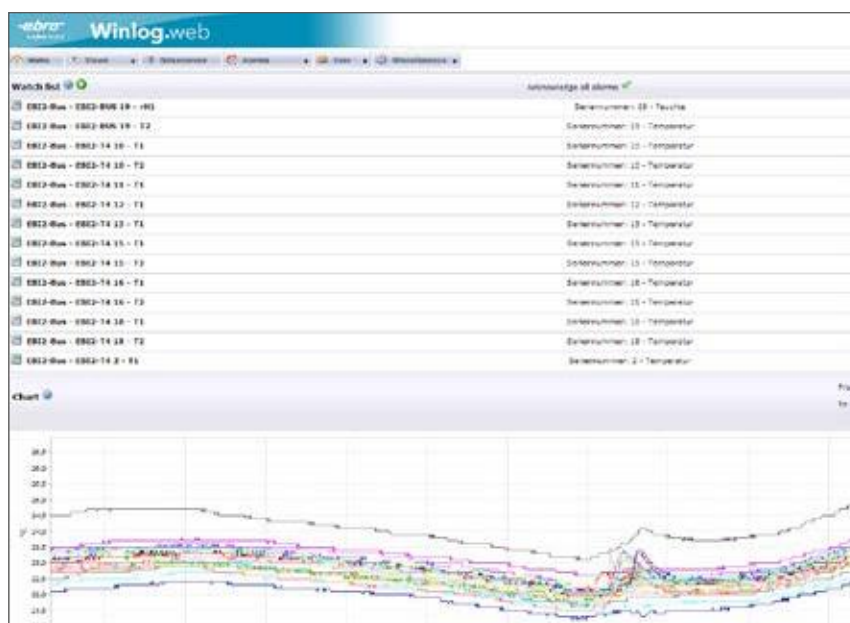
- Processor speed minimum 2 GHz
- Working memory 4 GB
- 20 GB free hard disc space
- USB 2.0

#### Software requirements:

- Operating System Microsoft®
- Windows 7 (32 Bit and 64 Bit)
- Windows 8 (32 Bit and 64 Bit)
- Windows 10 (32 Bit and 64 Bit)

#### Further requirements:

- Mozilla Firefox 3.0
- Microsoft Internet Explorer 11



Type	Description	Part No.
Winlog.web	Evaluation software (web-based server version)	1340-2390
IQ/OQ Winlog.web	Installation Qualification and Operation Qualification for Winlog.web	1340-2290

# TÜV certified evaluation Software for Pharmaceutical and Medical Applications

## Winlog.med and Winlog.validation

The Winlog.med and Winlog.validation software versions is suitable for programming and readout of ebro data loggers as well as for evaluating the measurement values. The software guides you step by step through the validation or routine control process and evaluates the measurement automatically.

## Flexible Report Generation

Whether you need a short process report or a table report with all measurement data – ebro's Winlog software makes it easy.

Table report

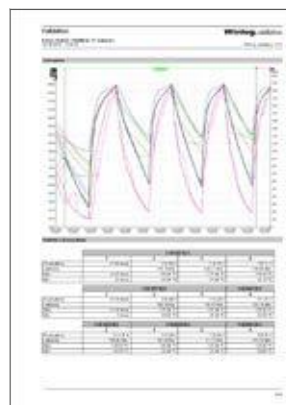
Process parameters, e.g. theoretical steam temperature calculation

Detailed result overview

Lethality report

Equipment used

Graphical data



Statistical data





## Winlog.med

### *For routine controls*



- TÜV certified
- User-friendly
- High precision measurements
- Automatic report generation
- Automatic user-defined calculations
- Automatic identification of process cycles
- Creation of user-defined masters for specific devices and thermal processes
- Three-dimensional demonstration of sensor placement or placement of the sensors directly on an application image possible
- FDA 21 CFR Part 11



## Winlog.validation

### *For routine control and validation*



Powerful report and evaluation software fitting the requirements of validation and qualification in Pharmaceuticals and Medicine.

- TÜV certified
- User-friendly
- High precision measurements
- Automatic report generation
- Automatic user-defined calculations
- Automatic identification of process cycles
- Creation of user-defined masters for specific devices and thermal processes
- Three-dimensional demonstration of sensor placement or placement of the sensors directly on an application image possible
- FDA 21 CFR Part 11
- Incl. IQ- / OQ-Dokumentation for software Qualification
- Automatic evaluation of validation processes

#### System Requirements

To enable the software to operate smoothly, your computer must meet the following requirements:

#### Hardware requirements:

- Processor speed minimum 1 GHz
- Working memory 1 GB
- 1 GB free hard disc space
- USB (Universal Serial Bus)

#### Software requirements:

- Operating System Microsoft®
- Windows 7 (32 Bit und 64 Bit)
- Windows 8 (32 Bit und 64 Bit)
- Windows 10 (32 Bit und 64 Bit)



Type	Description	Part No.
Winlog.med	Standard evaluation software for routine controls	1340-2363
Winlog.validation	Professional evaluation software for routine controls and validations	1340-2394