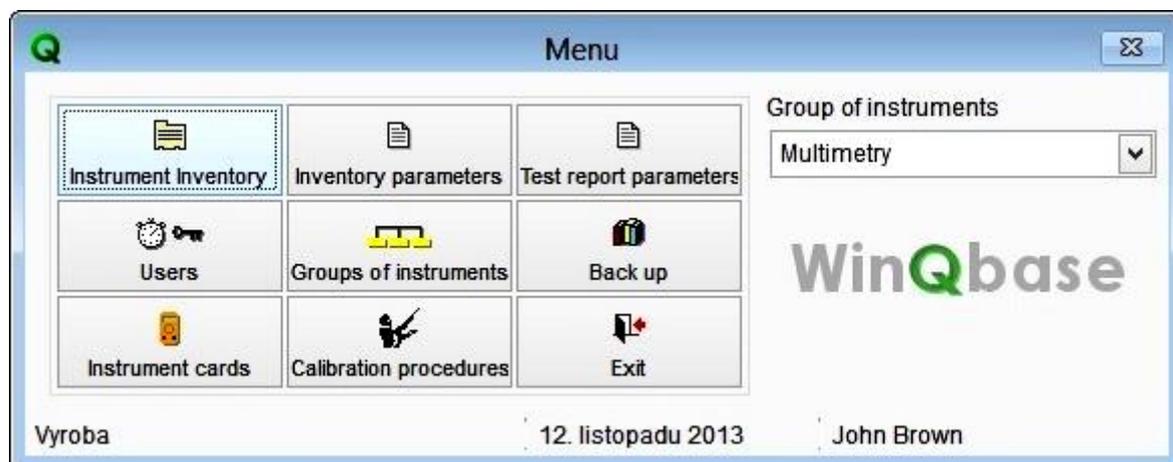


# WinQbase *Database of meters*



- **Database of meters and calibrations**
- **Compilation and printing of calibration protocols**
- **Work within a computer network**
- **Data synchronization with another programs**
- **Cooperation with Caliber software**

## **Database of meters**

Database contains records about instruments calibrated in laboratory. Each record contains information as records ID, date when record was created, type of the instrument, manufacturer, serial and registration number, date of activation, date of last calibration with the calibration results, date of the next calibration, identification of the owner of meter with the address, the metrological instrument classification, method of calibration (procedure), repairs of meter, issued calibration certificates, result of last calibration. Validity of last calibration is highlighted by color indication. The data entered into the database are protected against overwriting and are written in duplicate. If the data changes, the original record is archived. Access to the database is granted only after entering a password. WinQbase keeps information about users and transactions. Each new record (or record change) contains the name of the person who created the record (or the change). Data backup is done automatically by the program.

## Calibration of meters

Contains a detailed record of each calibration performed with evaluated results and calibration uncertainty. User has a perfect view of the validity of any calibrated instrument. WinQbase allows you to print a list of such meters, which expires calibration over several months, along with the names of their owners. The system doesn't delete records in accordance with the requirements of calibration standards. Changes are allowed, however the original record is archived, together with information who and when made the change.

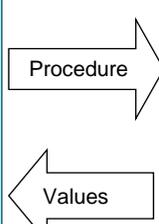
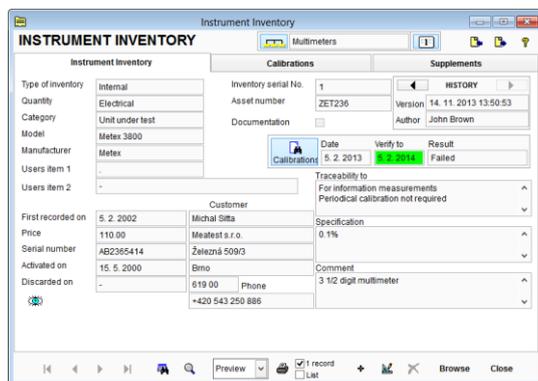
Program Caliber is available for automated calibrations. Program Caliber can be ordered together with WinQbase.

## Interconnection of database and calibration (WinQbase – Caliber)

Interconnection between database of meters and physical calibration is an important feature of WinQbase. Calibration results are measured, calculated and directly stored in the database. Computer equipped with a card for remote control is a basic part of calibration system. IEEE488 bus is mostly used for remote control. Caliber program also supports control via LAN, USB or RS232.

Measured value can be captured also by the camera using optional CamOcr software.

### WinQbase

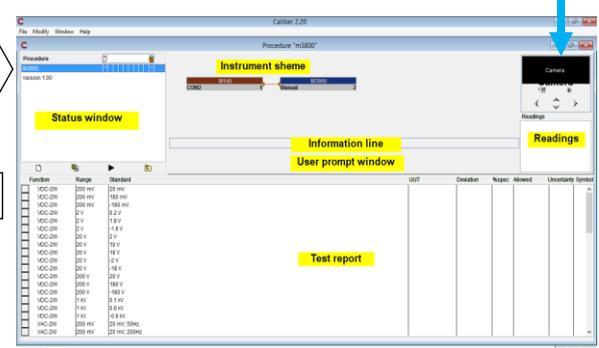


- Database of meters
- Database of calibrations
- Data synchronization
- Calibration certificates printing
- Filters and searching
- History of records
- Backup

### CamOcr



### Caliber



- Remote control, automation
- Calculation of deviation and uncertainty
- Easy creation of calibration procedures
- Optionally CamOcr camera module
- Wiring connection of devices

## WinQbase version 3.00 (2013) – new features

- 1. Database manager**

Intuitive management tool for multiple databases. Allows you to switch between existing databases or create new ones.
- 2. External calibrations**

The program allows you to perform calibration at the customer site without online connection to the central database. The measured data and reports can be subsequently imported into the central database.
- 3. Export and import in xml format**

Export and import parameters can be defined by the user. This feature enables cooperation with other database programs. The user can define synchronization between WinQbase and other commonly used programs. It is possible to export (import) all database records.
- 4. Report designer**

Facilitates editing and creating print reports. It also provides a list of the items that can be used in the print report. Offers a wizard to create complex expressions in print reports.
- 5. User field width**

The database allows an individual width adjustment of each field. It is easy to enlarge the field. On the other hand, it should be noted that the expansion will increase the volume of data fields and can slow down the work with database.
- 6. User items**

User can add new user-defined items (fields) into the database. There can be added 10 user-defined items to the instruments inventory and 10 user-defined items to the test report. Name of user-defined items can be changed.
- 7. Direct access to the Instrument cards**

Instrument cards, describing the metrological characteristics of individual devices are now accessible directly from WinQbase. WinQbase provides an overview of each card with a concise description.
- 8. Searching**

A new feature that allows you to search among all records (or only a part limited by filters).
- 9. Filters**

Enhanced filtering options provide a better overview of the settings of the filter. WinQbase allows you to set four combinations of filtering conditions. Name of each setting can be edited.
- 10. Codebooks**

A new approach to selecting values from the codebooks when editing Instruments inventory or Test reports. List of items can be reduced by entered phrase.
- 11. Licence**

Simplified procedure for the program registration and activation.