ProLab 3000: measure pH with "Windows®" like ease
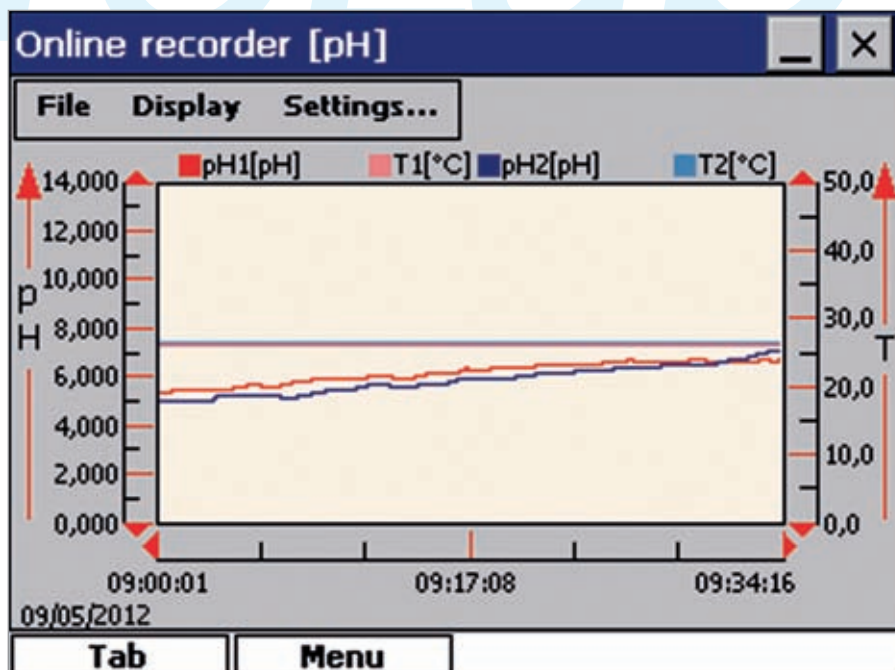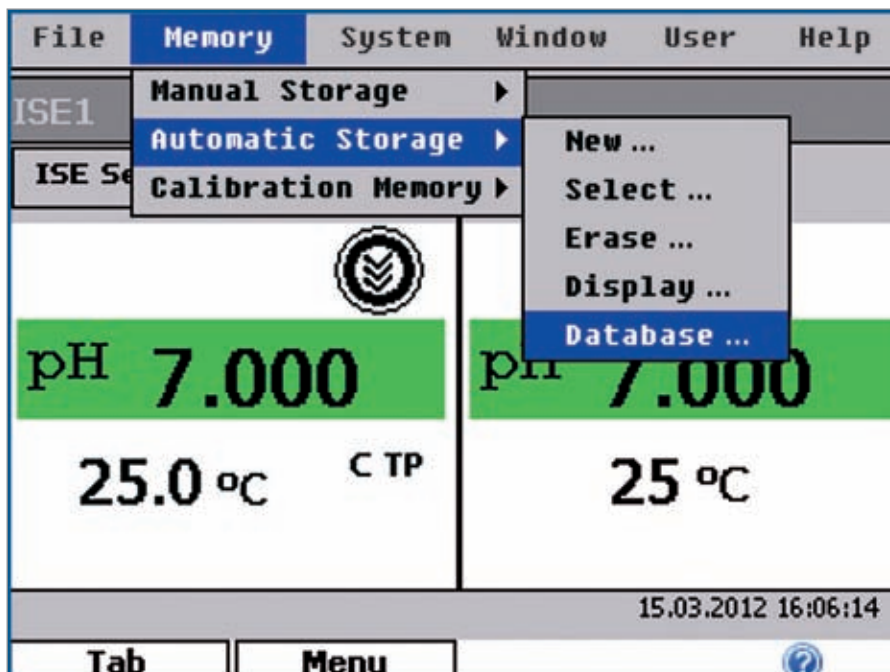
High end pH/ION meter ProLab 3000:

◢ **Operate it like "Windows®"**

The menu structure which is similar to Windows® can be operated just like a PC via the menu keys on the instrument or by using the mouse, which is part of the kit. For example the entry of text and numbers can be carried out either by using the numeric keypad or an external keyboard.

◢ **New: control of a burette**

Reliable and convenient dosing of ISE/TISAB solutions or standards with the ProLab 3000 in ISE measurement mode by controlling the TITRONIC® *universal*/110*plus*/500 burettes.
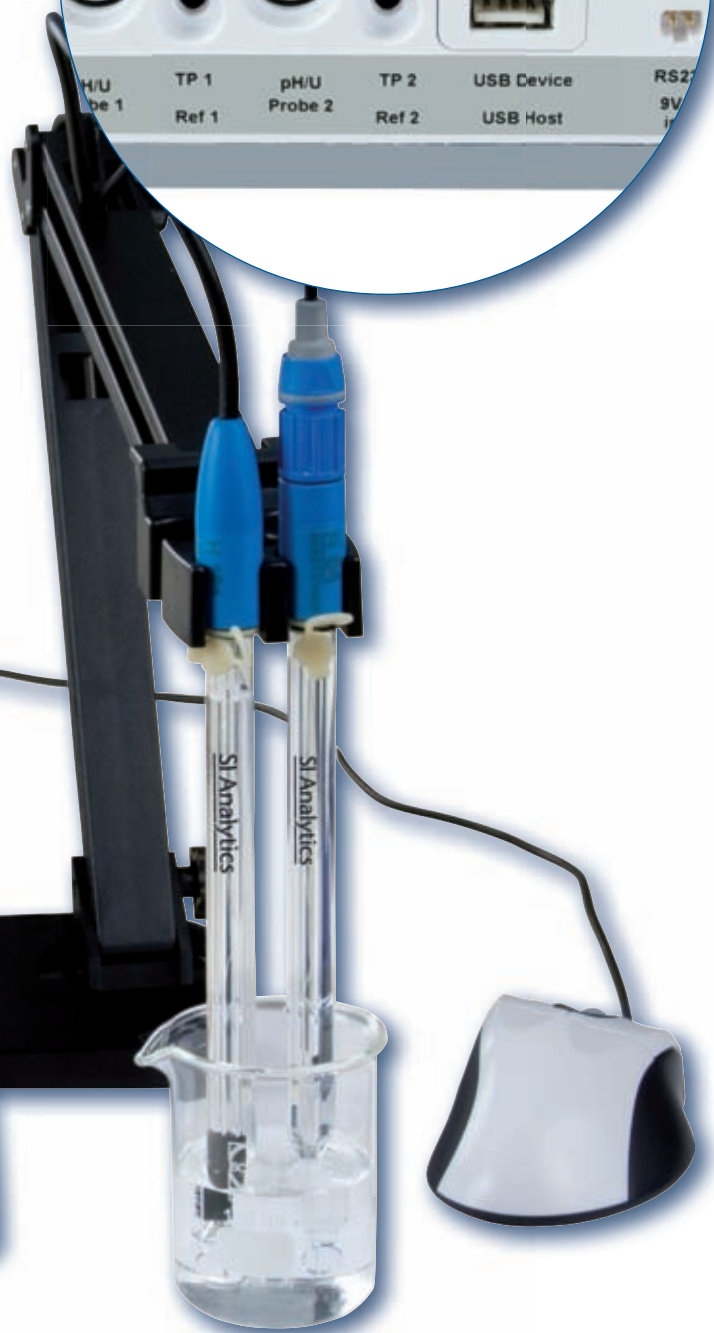
Flexible display and brilliant color graphics

The color graphic display (320 x 240 pixels) is backlit for high resolution and gives good readability even from the side from a distance of 2 to 3 meters. The display can easily be switched to full display of a measuring channel or multiple display of different measurement parameters (pH, mV, ISE). Another option is the completely flexible setting of the "recorder" display regarding the measurement sequences of all parameters versus time.

Plug and Play

Easy connection of peripheral devices with automatic recognition – no configuration required. The integrated USB host, USB slave and RS232 interfaces enable the instrument to communicate with mouse, printer and barcode reader. Even parallel operation is possible when a hub is connected to the USB host.
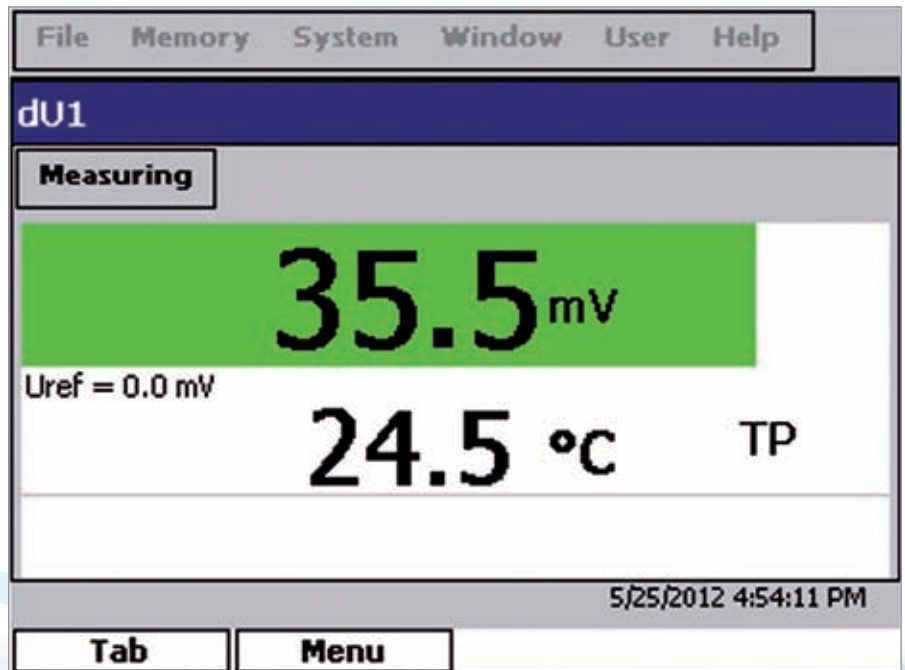
ProLab 3000:

pH measurement like with a personal computer

◄ **Differential measurement made easy**

Two galvanically separated pH ports allow simultaneous measurement of two pH sensors, even in the same vessel without causing any interference – with our ID electrodes providing automatic sensor recognition. On each pH channel a differential measurement versus a reference value is possible.

| File | Memory | System | Window | User | Help |

dU1

Measuring

35.5 mV

$U_{ref} = 0.0$ mV

24.5 °C   TP

5/25/2012 4:54:11 PM

| Tab | Menu |

GLP through-out

◤ **User recognition with electronic ID card including password entry**

The automatic user recognition via transponder pendant enables access control and allocation of measurement values, calibrations etc. for each user. Each user is automatically and fully documented at time of use. The security guaranteed through the access control is further increased by the password protection.

◤ **Sensor recognition – wireless and automatic**

The ID electrodes send their specific data wireless to the ProLab 3000 and 4000. Therefore, the instruments uses the correct calibration for the electrode and errors are eliminated even when using both measurement channels.

The ProLab user specific display automatically adapts to the ID sensor and activates only the necessary and admissible operation structures - this guarantees a higher usage convenience through increased transparency.

◤ **Measurement and calibration security:**
  - **automatic user identification**
    with electronic ID card, transponder technology and password entry
  - **wireless sensor recognition**
    ID electrodes and instrument with automatic identification and data exchange

◤ **Measuring pH, mV, ISE – high precision with many special functions:**
  - 2-channel pH/mV measurement (galvanically separated)
  - differential measurement
  - professional ISE measuring with various addition/ subtraction proceedures incl. control of TITRONIC® *universal*/110plus/500 burettes.

◤ **Operation via mouse or keyboard like with a PC**
familiar menu structures and clear menu navigation

◤ **Plug and play** by state of the art technology

◤ **Instruments sets**
  - Instrument (incl. mouse)
  - Electrode with integrated temperature sensor
  - Buffer solutions
  - Stand
  - Universal power supply
  - Cover

Advantages
ProLab 3000