ProLab 3000: measure pH as at a PC
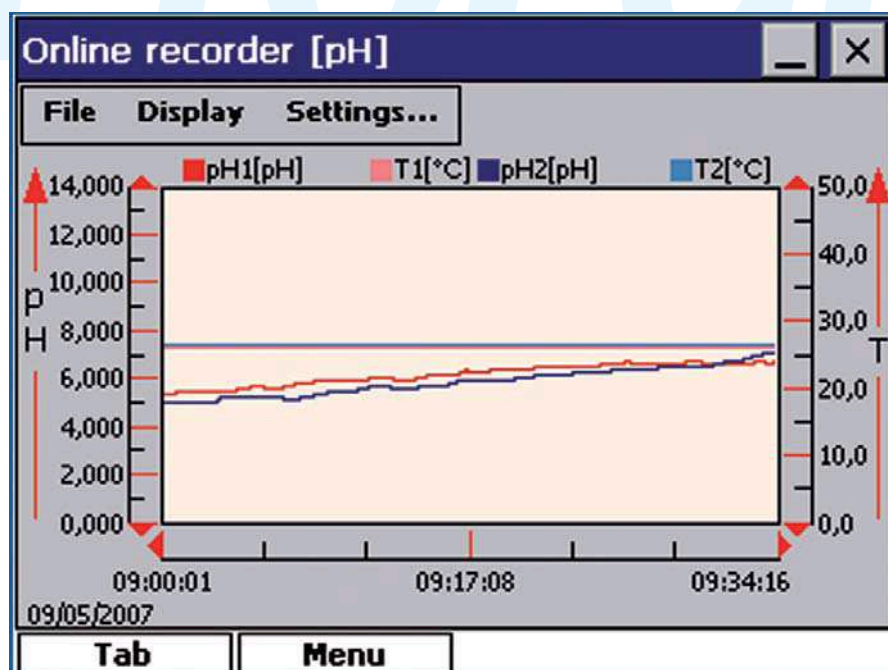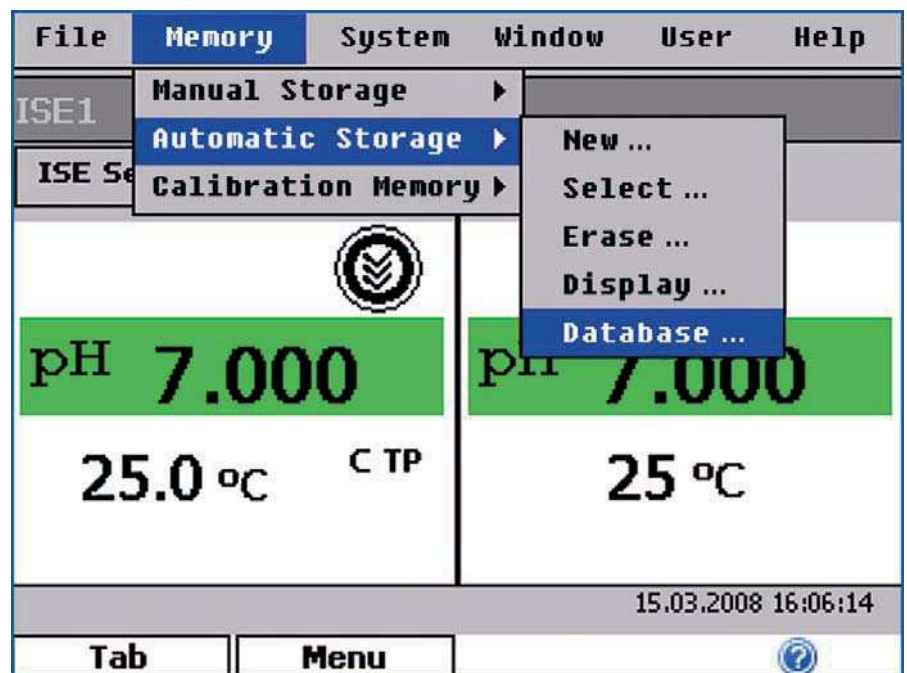
High end pH/ION meter ProLab 3000:

The first pH meter with integrated PC

◣ **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 delivery scope. For example the entry of text and numbers for inserting file names can be carried out either by using the numeric keypad or an external keyboard. Mouse and keyboard can be used at the same time, as the USB (host) interface can be extended by a hub.

Flexible display of measurements on a brilliant colour graphic display

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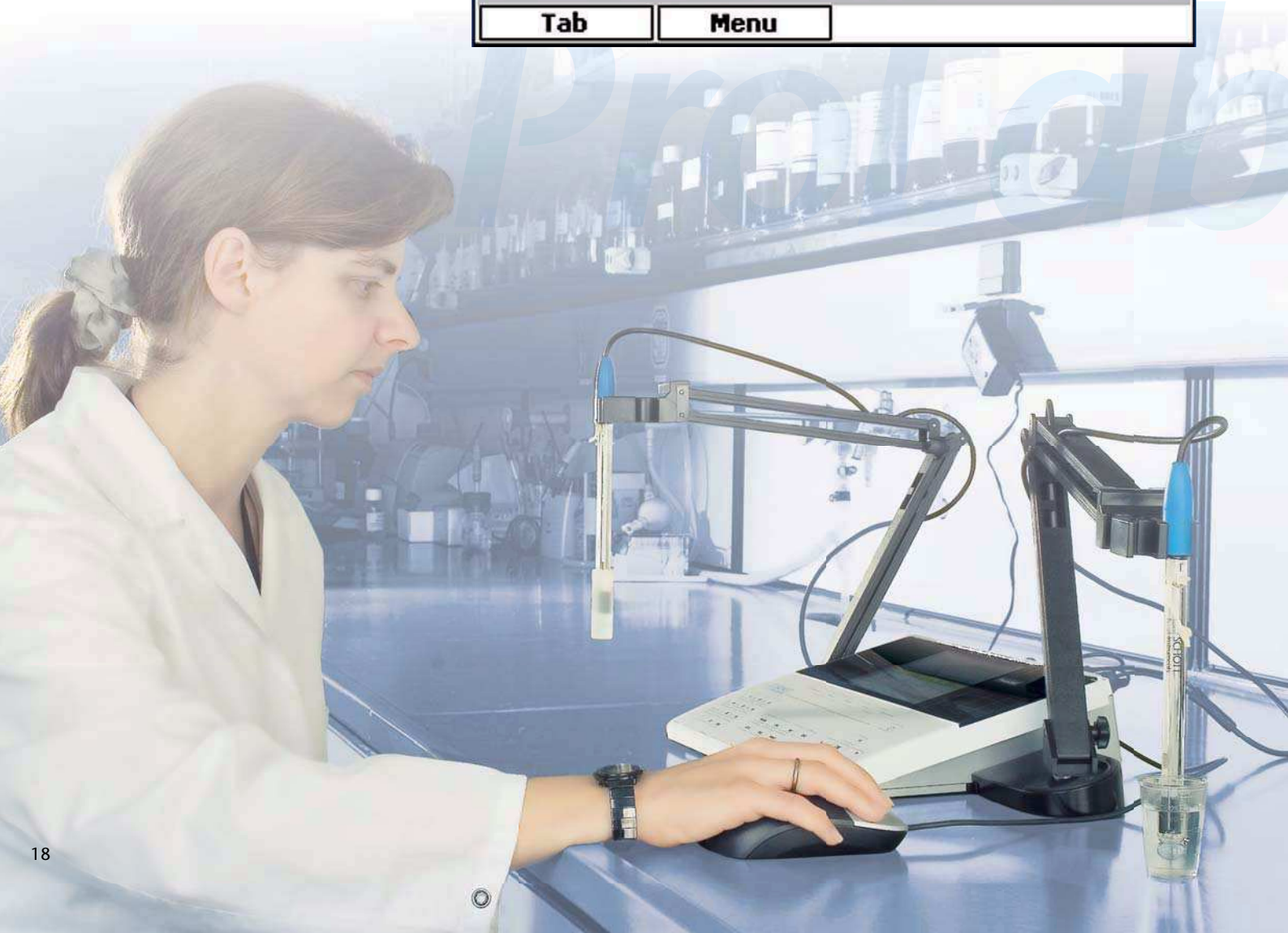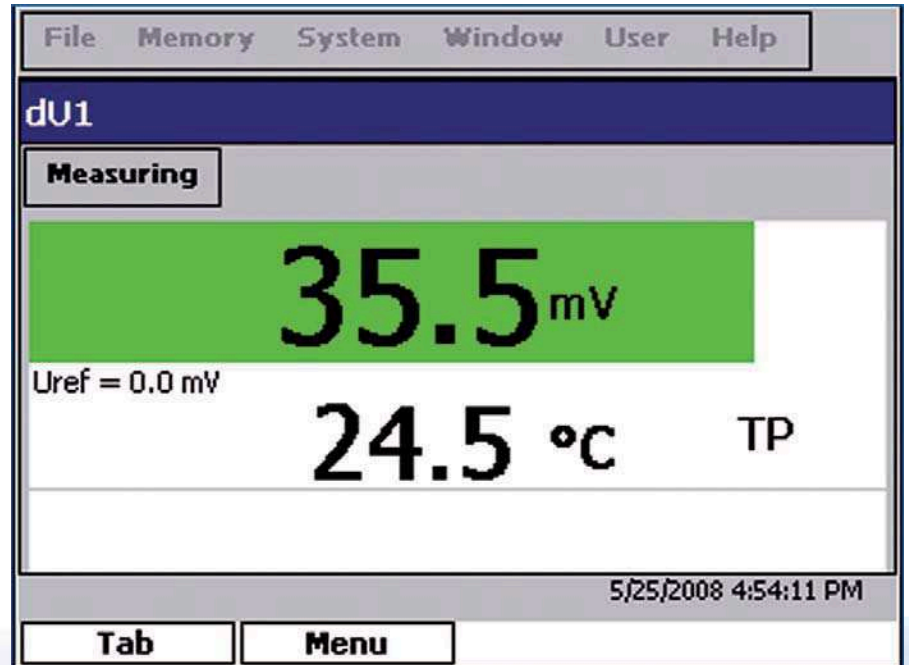
Plug and Play

Easy connection of peripheral devices with the 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 – when interconnecting a hub to the USB host even a parallel operation is possible.

ProLab 3000: measure pH as at a PC

◀ **Differential measurement made easy**

Two galvanically separated pH entries allow simultaneous measurement of both pH sensors, even in the same vessel without causing any perturbation – with SCHOTT Instruments' ID electrodes providing automatic sensor recognition even unequivocally. On every pH channel a differential measurement against a reference value is possible.

GLP thought out

◤ **User recognition with electronic ID card incl. password entry**

The automatic user recognition via transponder pendant enables access control and allocation of measurement values, calibrations etc. for each user. Hence it is automatically documented which user did what at a certain time. The security guaranteed through the access control is furthermore increased by the password protection.

◤ **Sensor recognition – wireless and automatic**

The new ID electrodes send their specific data wireless to the ProLab 3000 and 4000. It is therefore guaranteed that each electrode always uses the correct calibration and erroneous measurements are excluded – unequivocal even with 2-channel measurements!

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.

◤ **Highest safety level with measurements and calibration through:**
- **automized user identification** with electronic ID card through transponder technology with password entry
- **wireless sensor recognition** ID electrodes and measuring 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

◤ **Operation via mouse or keyboard as at a PC** familiar menu structures and clear menu navigation

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

◤ **Scope of delivery, set**
- Measuring instrument (incl. mouse)
- Electrode with integrated temperature sensor
- Buffer solutions
- Stand
- Universal power supply unit
- Cover

Advantages
ProLab 3000