

**For research use only. Not for use in diagnostic procedures.**

## **ekspert ultraLC 100-XL**

Release: 1.2.0.0  
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### **What is in this document**

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### **Minimum required firmware:**

ekspert 100-XL Autosampler:	Flash	0950.110-1.02 (version 1.02)
	Template 1	0013.115-01
	Template 2	0013.116-01
ekspert 100 Pump:	Flash	0760.100-1.12 (version 1.12)
ekspert 100 Column Oven:	Flash	0886.100-2.04 (version 2.04)

### **New Enhancements and Fixes in 1.2:**

New Enhancements:

1. Normal or extra deep pierce depth
2. Log counters for autosampler
3. Log counters for pump
4. Autosampler valve wash
5. Maximum time table time increased to 599.99 minutes
6. Gradient graph in pump method editor
7. Prep mode (large injection loop)
8. Temperature control for autosampler via method editor

Fixed items:

1. Pump not stopping issue after an error

### **New Enhancements and Fixes in 1.0 HotFix:**

Fixed items:

1. FIA Compound Optimization fails to start
2. Fault generated by opened column oven door cannot be cleared by re-activating Hardware Profile
3. If, after the equilibration time expires, the column oven is still not at set temperature, selecting Start Sample causes acquisition to be aborted and batch suspended.
4. During timed equilibration when the queue is in "Warming Up", the 100-XL status still says "Idle" instead of "Equilibrating"

5. Errors can be restored by reactivating the hardware profile
6. When user logs off or shuts down Windows, the application shutdowns as well.

**Redistribution and copies of the software:**

You can make as many copies of the software as you wish.  
You are also allowed to redistribute copies of the software.

**Minimum pc configuration:**

ekspert ultraLC 100-XL runs on Microsoft Windows XP-Pro (SP2) operating systems and Microsoft Windows 7 operating systems with .Net framework 4.0 (client profile) installed. Furthermore, Analyst 1.6 must be installed. The following PC configuration is the minimum for ekspert ultraLC 100-XL:

- Pentium III 1.0 GHz (1000 MHz).
- 512 Mb internal memory.
- Hard disk with 850 MB of free storage space (less when .Net framework is installed already)
- SVGA video driver - 1024 x 768; 16 bit "high color";
- Serial communication port for the system controlled.
- Mouse.

It is strongly recommended to install the software on a local hard disk.

1024 Mb internal memory is strongly recommended for a PC that also runs other tasks like a virus scanner, remote software and/or printer tasks.

**Scanned for viruses:**

The software is scanned for viruses by means of

- ESET NOD32 Antivirus version 4.2.40.0
- Virus signature database: 7806 (20121216)
- Update module: 1040 (20120313)
- Antivirus and antispyware scanner module: 1372 (20121120)
- Advanced heuristics module: 1136 (20121017)
- Archive support module: 1157 (20121108)
- Cleaner module: 1058 (20121005)
- Anti-Stealth support module: 1032 (20120806)
- ESET SysInspector module: 1214 (20100127)
- Self-defense support module: 1018 (20100812)
- Real-time file system protection module: 1006 (20110921)

**Uninstall notes:**

When uninstalling this software, only those files are removed that were installed.