

# Multi-language touch-screen interface for PerkinElmer GC systems



The Clarus® 500 Gas Chromatograph (GC), TurboMatrix™ Headspace Samplers and TurboMatrix Thermal Desorbers incorporate a built-in multi-language touch-screen interface so you can work in the language of your choice. You can easily switch to different languages, with just a couple of quick presses of the touch screen. This ensures your entire staff is at ease when working with the system.

So, whether you speak English, Spanish, French, Chinese, Japanese, Russian, German or Italian, the Clarus 500 GC and TurboMatrix sampling systems make perfect sense.

From sample handling to data handling, PerkinElmer® offers a single-vendor solution.

## Key Benefits

- ▶ Local-language capabilities speed learning and increase productivity
- ▶ A variety of local languages, easily changed, accommodate today's diverse workplace
- ▶ Coupled with the full-color touch screen, use becomes intuitive
- ▶ Innovative design maximizes ease-of-setup and method development

## Clarus 500 GC

When you invest in a new instrument, you do not want to waste time learning how to navigate a complicated interface. Most interfaces require multiple steps to locate specific operating parameters. By the time you reach the function you were looking for, it is difficult to remember how you got there – or how to get back. Many interfaces even require you to continually reference the manual in order to operate the system effectively.

The Clarus 500 is the first GC to replace the cumbersome and confusing keypad user interface with a large, full-color touch screen.

Figure 1 shows the touch screen that allows you to select the language of your choice.

The status screen (Figure 2) presents a comprehensive overview of the system, giving you a quick overview of the operating status of your instrument.

Furthermore, icon buttons (Figure 3) define the type and status of each heated zone, and each injector and detector is identified by a unique icon, which is color coded by channel.

The real-time chromatogram (Figure 4) is updated continuously, allowing you to monitor your analytical runs.

Even if you don't use the system frequently, the touch-screen interface makes method development easy. The screen provides immediate access to all method parameters – including detectors, columns, injectors, temperature-controlled devices, pressure controllers, relays and valves – in any order, eliminating the need for linear entry of analytical conditions.

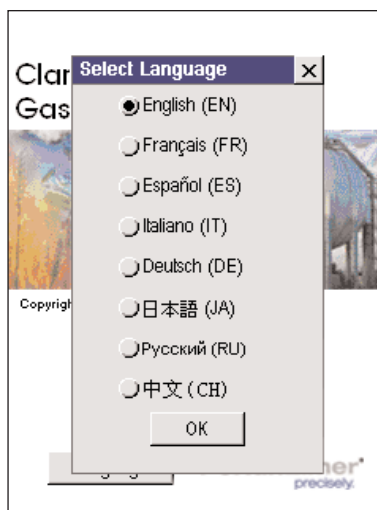


Figure 1. Language-selection screen.

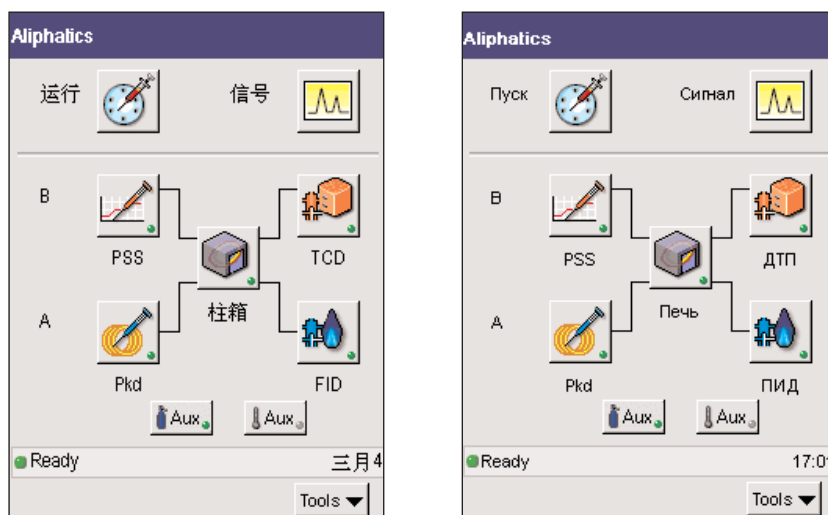


Figure 2. Clarus 500 GC status screen gives a quick overview of the operating status of your instrument. Shown in Chinese and Russian.

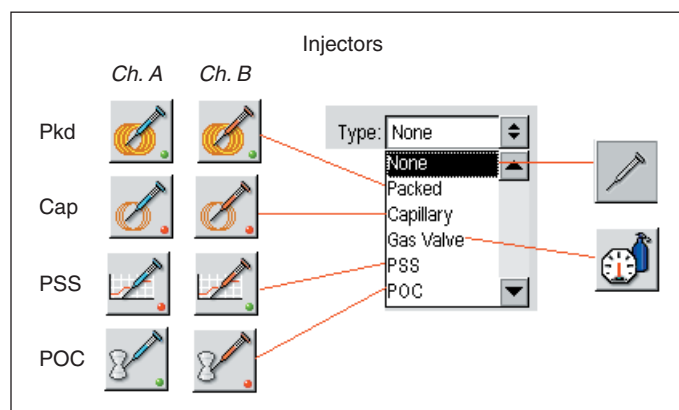


Figure 3. Icons allow quick and easy recognition of selected injectors and other devices.

## TurboMatrix Headspace Samplers and Thermal Desorbers

The intuitive color touch-screen user interface in the TurboMatrix sampling systems provides instant access to system functionality. With a few quick presses of the touch screen, you can set parameters, recall stored methods and start sampling – making it easy for sophisticated users and those new to the technique.

Figure 5 shows the Method Editor interface, which allows you to create, store and activate methods.

The interface guides parameter selection and experiment setup, providing graphical representation of headspace sampler or thermal desorber operation.

Figure 6 shows the Active Method screen of the TurboMatrix Thermal Desorber, which allows you to view and modify the current operating parameters (e.g., temperature and pressure set points), as well as view the actual instrument conditions.

## Summary

The multi-language touch-screen graphical user interface maximizes ease-of-setup and method development for the Clarus 500 GC, the TurboMatrix Headspace Samplers and Thermal Desorber systems.

If you are in need of a complete system, PerkinElmer is the only supplier that manufactures and sells a complete single-vendor solution – from sample handling to data handling.

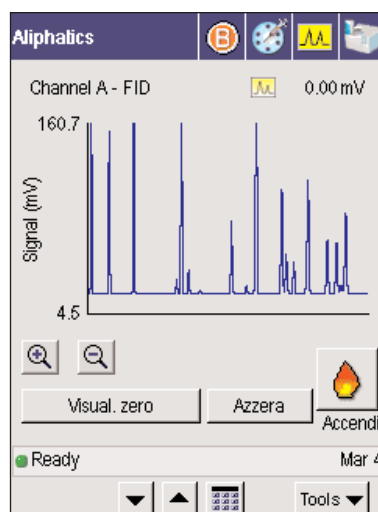
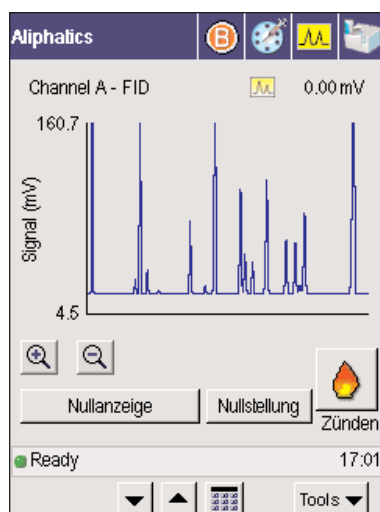


Figure 4. Clarus 500 GC real-time chromatogram is updated continuously, allowing you to monitor your analytical runs. Shown in German and Italian.

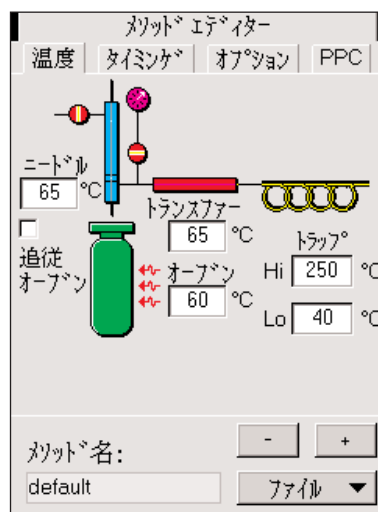
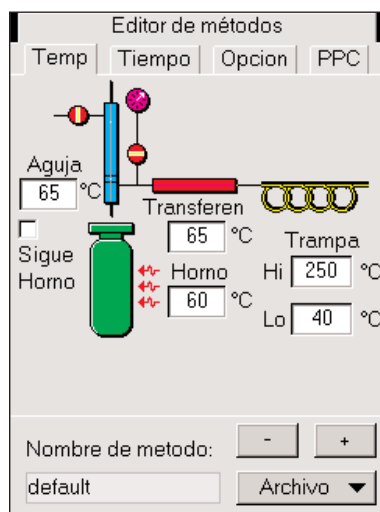


Figure 5. Method Editor screen on TurboMatrix Headspace Sampler. Shown in Spanish and Japanese.

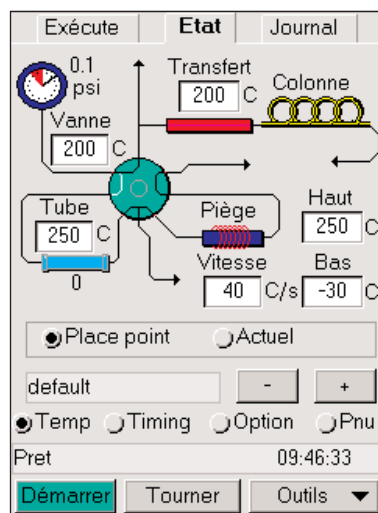
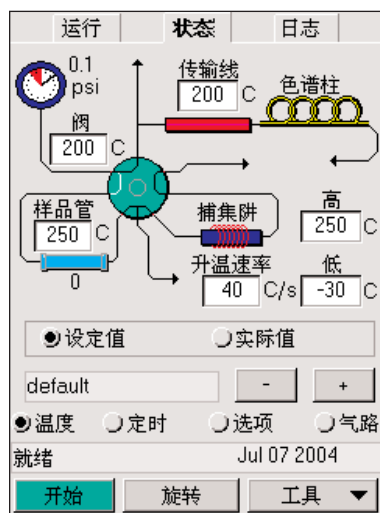


Figure 6. Active Method screen on TurboMatrix Thermal Desorber. Shown in Chinese and French.

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