

MiniRIM 15 – Reactivity Test Machine For Telene

Always interested in perfecting reliability when testing the different reactivity parameters of its products (Smoke Time, Initial Viscosity, ETA 1000 – time to reach 1000 cPs, reaction temperature profile), TELENE SAS has developed the MiniRIM 15, in partnership with FPM Engineering - www.fpm.lu.

The MiniRIM 15 is similar to a miniature RIM metering unit. It maximizes the accuracy of the injection parameters, ensuring the user is always performing tests under accurate and controlled conditions. The USB connection allows transfer of the acquired values to a computer which processes the data using a dedicated Microsoft Excel® application provided with the equipment.

2 versions are currently available:

The basic version is equipped with adjustable temperature control, allowing injection only when material temperature has reached the set point, typically 30°C. An additional thermocouple for acquisition of the temperature rise during reaction provides the SMT (time to reach 100°C), and the exothermic peak.

The advanced version further includes a viscosimeter for measuring initial viscosity, and viscosity rise during reaction, which allows the determination of the viscosity profile and ETA1000.

Thanks to the MiniRIM 15, the user will now be able to test Telene products directly from drums or IBCs, without having to collect samples in cartridges. The risk of affecting test results by contamination during manual sample collection, or by an uncertain temperature, is greatly reduced, if not eliminated.



FPME's MiniRIM 15

TELENE SAS – Route d'Arras - F - 62320 Drocourt - Tel. +33-321 08 83 20 - Fax +33-321 49 73 61

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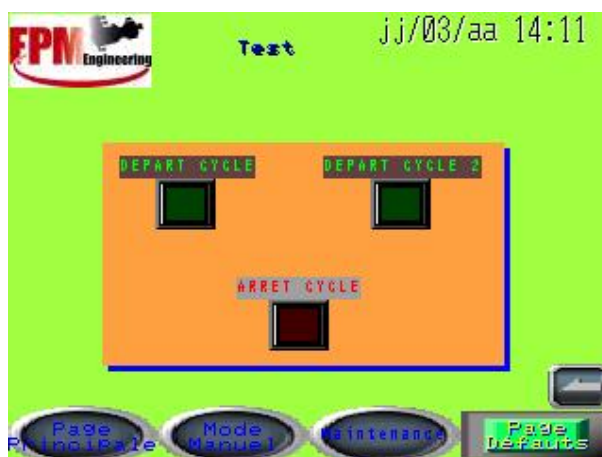
Basic function:

Once connected to the material containers, the MiniRIM 15 is operated via 3 very simple modes: **Test mode, Manual mode and Maintenance mode.**



Welcome screen

In **Test Mode** (typical use mode), the cycle is completed in two steps: the dosing of both components, followed by injection.



Test Mode screen

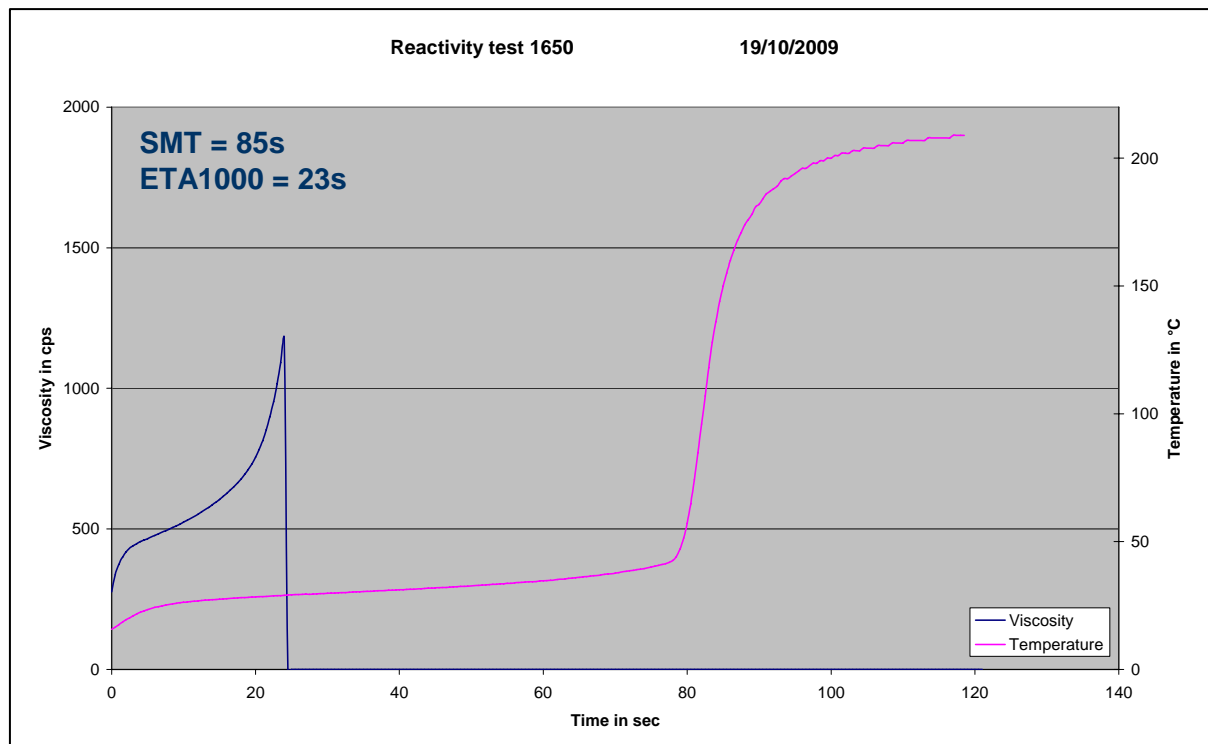
The **Manual Mode** allows independent control of the dosing piston and the injection piston movement.



Manual Mode screen

The **Maintenance Mode** displays the history of the various inputs and outputs of the MiniRIM 15, as well as the number of cycles performed.

Example of test report produced with the MiniRIM 15:



The MiniRIM 15 has undergone extensive testing and use at the Telene SAS Tech Center in Drocourt. We greatly appreciate the excellent reproducibility of the results, typically difficult to achieve with tests made by cartridge mixing. Additionally, the MiniRIM 15 increases the safety level of the testing environment.

For more info, see www.telene.com, www.fpm.lu