

# imc FAMOS 7.1 News

Short overview: new version



Comprehensive data analysis and documentation

imc - productive testing



è una divisione di  
**Instrumentation Devices Srl**  
tel. +39 031 525 391  
info@imc-italy.com - www.imc-italy.com



**Instrumentation Devices Srl**  
Via Acquanera 29 - 22100 COMO (Italy)  
tel. +39 031 525 391  
info@instrumentation.it - www.instrumentation.it

## imc FAMOS: analysis, visualization and documentation of measurement data



### Your signal analysis software

No matter where the measured data originates - test stand, test setup or mobile measurement - imc FAMOS combines all the tools you need for professional visualization and analysis of your data: from data importing to print-ready reports. With a vast number of analysis functions and powerful automation options, imc FAMOS provides quick results.

## New functionalities: imc FAMOS 7.1

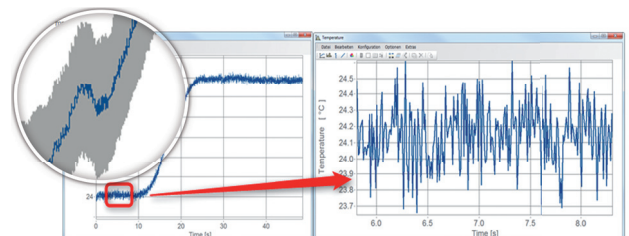
With each new software version, we are expanding the scope in order to increase efficiency of signal analysis. We optimize the user interface, enhance the measurement data visualization options and improve usability. The new features of imc FAMOS 7.1 at a glance:

### Calculation of measurement uncertainty

imc FAMOS 7.1 allows to analyze effects of measurement uncertainties for almost each algorithm written as sequence.

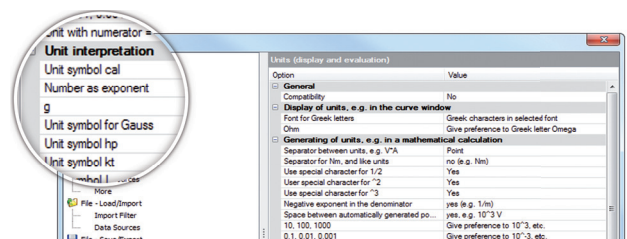
You have the following possibilities:

- Calculation of uncertainty propagation
- Calculation of uncertainty of mathematical analysis results
- Adding disturbance to signals
- Analysis of the impact of disturbance on existing algorithms
- Testing robustness of algorithms



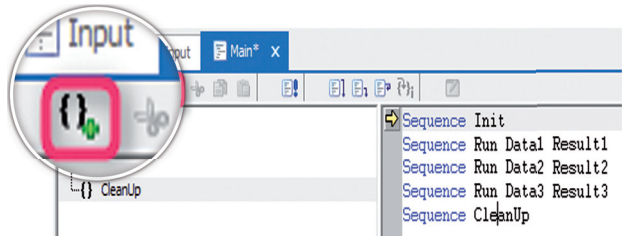
### Optimized handling of physical units

The computation of SI units and further international entities has become even more comfortable. A unit manager allows, for example, presettings and special requirements. Axis labels with greek letters, decimal powers and exponential notations provide a clear presentation of measurement data in the curve window.



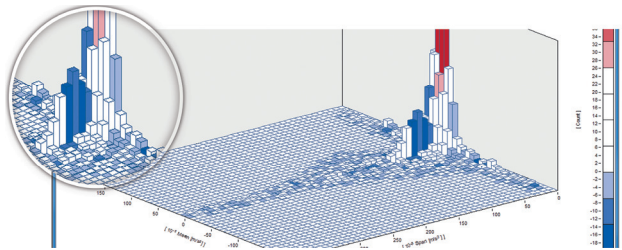
### Editor with sub-sequences

Sub-sequences can now be directly embedded into the calling sequence and no longer need to be saved in a separate sequence file.



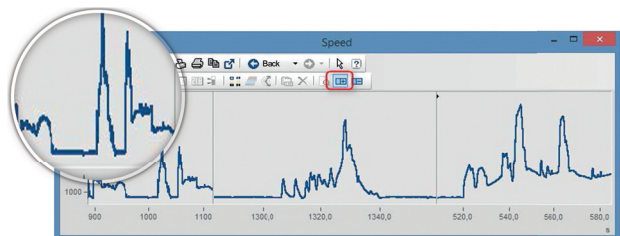
### 4D diagrams in the curve window

The new 4D mode allows to display measured values in a sophisticated diagram: In the example on the right a rainflow matrix is shown, a typical visualization for the fatigue analysis. One can see the change in the number of occurred load cycles. The color indicates the changes between two measurements in comparison.



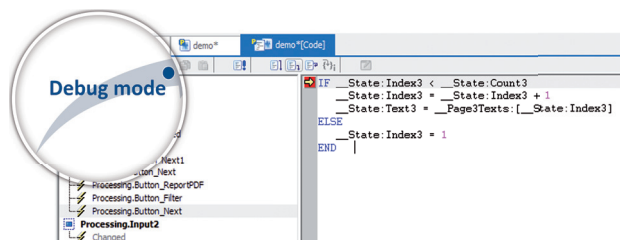
### Split mode in the curve window

It is often required to directly compare events in measurement periods being far apart from each other. With the new split mode a curve window can be arbitrarily subdivided in several parts in order to compare different segments with each other.



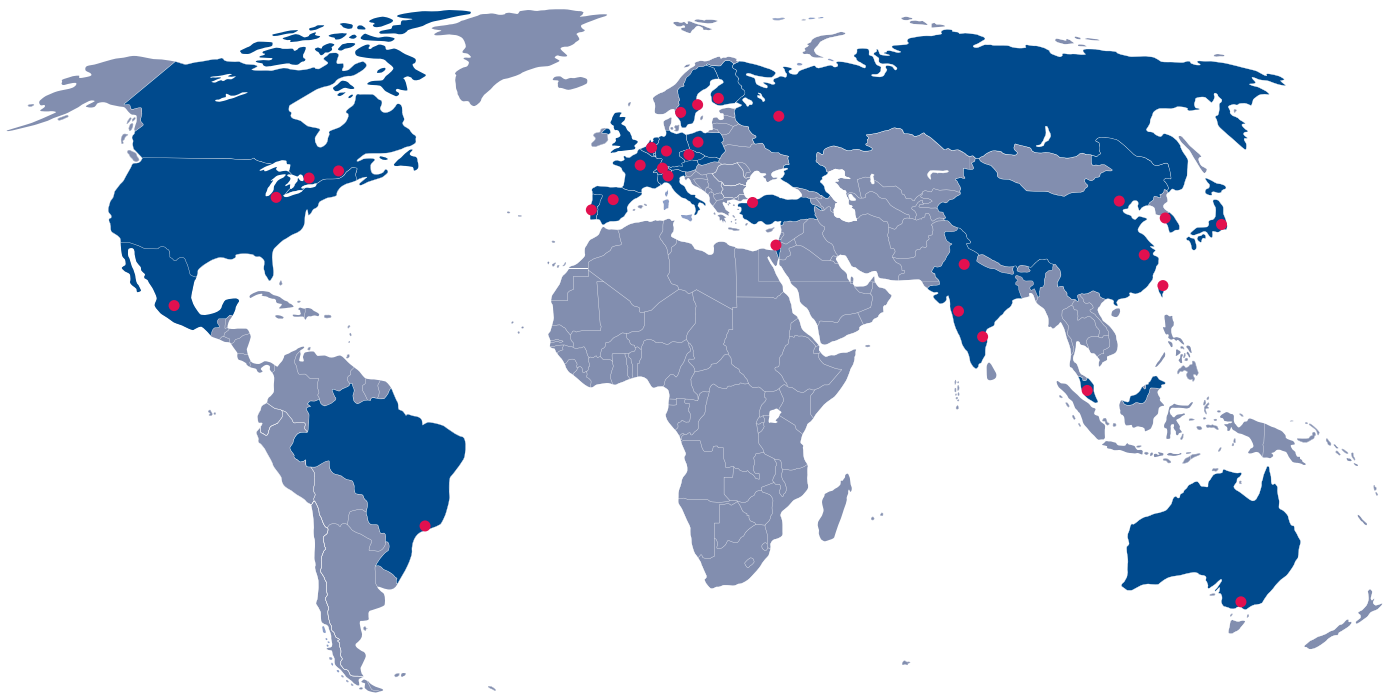
### Debug mode for panel pages

The debug mode simplifies debugging while creating complex panel pages. As with normal sequences, it is possible to define breakpoints at which execution of the sequence is interrupted. The sequence is displayed in the editor and can be resumed step-by-step starting at the current command line. The same applies when the sequence run encounters a (syntax-) error.



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### **imc Meßsysteme GmbH**

Voltastraße 5  
13355 Berlin  
Germany

Tel.: +49 (0)30 - 46 70 90 26  
Fax: +49 (0)30 - 463 15 76  
[hotline@imc-berlin.de](mailto:hotline@imc-berlin.de)  
[www.imc-berlin.com](http://www.imc-berlin.com)



è una divisione di  
**Instrumentation Devices Srl**  
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[info@imc-italy.com](mailto:info@imc-italy.com) - [www.imc-italy.com](http://www.imc-italy.com)



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tel.+39 031 525 391  
[info@instrumentation.it](mailto:info@instrumentation.it) - [www.instrumentation.it](http://www.instrumentation.it)