



FAMOS

now with AI assistant

FAMOS
TURNING COMPLEXITY INTO CLARITY

How FAMOS Makes Your Data Speak Your Language:

Comprehensive Engineering Unit Support for Professionals

In the world of measurement and testing, precision is everything – and that doesn't stop at the numbers themselves. The engineering units you work in matter just as much as the measurements they describe. When you're sharing test results with a global team, delivering insights to customers in other industries, or analyzing legacy data collected in a different system of measurement, the ability to convert, compare, and communicate data in the right units becomes critical.

That's where **FAMOS** stands out.

FAMOS is designed to make your job easier by understanding a vast array of units – from everyday standards like meters and kilograms to more specialized or regional ones like gauss, BTU, and even Scoville. It allows you to work in the terms that are most familiar and meaningful to you, your team, and your stakeholders – no matter where in the world you are or what standards you follow.

Why Unit Flexibility Matters in Testing & Measurement

Anyone who's worked in a testing environment knows how frustrating and error-prone unit mismatches can be. Are those results in PSI or Pascals? Is that speed in miles per hour or kilometers per hour? How many microvolts is that?

Beyond the inconvenience, inconsistent units can introduce costly mistakes, misunderstandings, and rework – especially when projects involve multiple regions, suppliers, or industries with different conventions.

FAMOS solves this problem at the root, by providing:

- Support for hundreds of units across dozens of physical dimensions.
- Intuitive functions to convert data into your preferred units instantly.
- Smart handling of SI prefixes and their multiples/submultiples.
- Clear, standardized output for easy interpretation and sharing.

By letting you work in the language of your data, FAMOS gives you confidence that your results are correct, comparable, and ready to communicate.

Explore the Universe of Engineering Units in FAMOS



Length, Area, and Volume

Whether you're working in meters, inches, miles, or light-years, FAMOS has you covered. It also supports area units like acres and hectares, as well as volume units ranging from cubic meters and liters to barrels and gallons.



Weight and Force

From kilograms and pounds to carats, tons, and Newtons, FAMOS seamlessly converts between weight and force units so you can compare data meaningfully – no manual calculations required.



Time and Frequency

FAMOS understands time from microseconds to years, as well as frequency in hertz, RPM, or cycles per minute. Perfect for vibration analysis, cycle testing, and more.



Temperature

Work comfortably in Kelvin, Celsius, Fahrenheit, or Réaumur. FAMOS even handles temperature offsets intelligently to avoid common pitfalls.



Magnetic & Electrical Units

If you're testing electrical or magnetic properties, FAMOS supports volts, amps, ohms, siemens, teslas, gauss, and more – complete with correct conversions and context.



Optical and Acoustic Units

Measure light in lumens, lux, candela, and lambert. Or evaluate sound with decibels (dB), sones, phons, and other acoustic measures.



Chemical & Radiological Units

FAMOS even supports specialized units like sieverts, becquerels, curies, and moles, making it suitable for environmental, chemical, and radiological testing applications.



Data and Digital Units

In an increasingly digital testing world, FAMOS also recognizes bits, bytes, kilobytes, baud rates, and more – including binary multipliers like KiB and MiB.

Intelligent Conversion with ConvertUnit

What truly makes FAMOS powerful isn't just its vast library of supported units – it's how easily you can work with them.

The built-in ConvertUnit function lets you transform your data instantly into your preferred unit of measure, ensuring your results are meaningful and ready to share. Want to see pressure in PSI instead of Pascals? Or convert force from Newtons to pounds-force? FAMOS does the math for you – quickly, accurately, and without error.

SI Prefixes Made Simple

FAMOS also understands the full range of SI prefixes, from pico- (10^{-12}) to tera- (10^{12}). Whether you're analyzing microvolts, gigabytes, milliwatts, or nanometers, FAMOS handles the conversions seamlessly – letting you focus on insights instead of calculations.

Real Benefits for Real Customers

Here's how customers in various industries use FAMOS's unit flexibility every day:

- ◆ **Automotive:** Engineers switch between metric and imperial units to meet customer and regulatory expectations.
- ◆ **Aerospace:** Teams compare data from global suppliers without worrying about incompatible units.
- ◆ **Electronics:** Testing teams confidently work with micro, milli, & nano scales in voltage & current.
- ◆ **Environmental & Energy:** Analysts handle specialized units for radiation, pressure, and flow rates – all in one system
- ◆ **R&D and Academia:** Researchers can present results in the units most familiar to their audience.

Why Customers Choose FAMOS

By offering unrivaled support for a wide range of measurement units, FAMOS enables you to:

- **Save time:** No more manual conversions or recalculations.
- **Avoid mistakes:** Standardized, validated conversions prevent costly errors.
- **Collaborate globally:** Work with international teams and data effortlessly.
- **Deliver insights clearly:** Share results in the terms your audience understands.
- **Support diverse industries:** One platform for virtually any test environment.

Conclusion: Measure What Matters – in the Engineering Units That Matter

At its core, FAMOS is about empowering you to focus on what really counts: understanding your data, making smart decisions, and communicating insights clearly and confidently.

With its comprehensive unit support and intelligent conversion tools, FAMOS ensures your results are not just accurate – they're meaningful to everyone who depends on them.

Let FAMOS help you tell the story of your data – in the language your audience speaks.

Contact us today to learn more about FAMOS and see how it can streamline your testing and analysis workflows

