KISTLER

measure. analyze. innovate.

MaDaM Starter/Professional

Type 2844A

Software for metadata-based management of measurement files including data analysis & reporting

MaDaM is a software solution for managing large and growing amounts of measurement data. Measurement files are enriched with meta data and indexed for search. Through the integration with the products jBEAM and KiReporter, data analysis and ad-hoc or automated reporting are made easy.

Benefits of MaDaM
- Organize & enrich data from multiple sources
- Find all relevant data in no time
- Gain insights and make decisions earlier
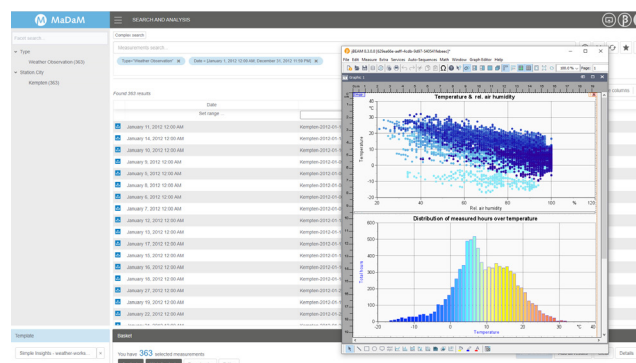- Manage your data where you need it

Description

In times of exponentially growing data volumes, measurement data management means to always have your data at hand – whether it be for your own research and development or for partners and data customers.

MaDaM supports more than 100 industry standard file formats. This way you can index measurements recorded by several different DAQ devices, which makes MaDaM a perfect match for your existing measuring chain.

With various options for modelling, normalizing, and connecting meta data to your measurements, you add meaning to your data and benefit from greatly improved searchability. Unification of meta data, channel names and units, allow for access to semantically identical, but structural different measurement files.

Show channel previews directly within the web application and interactively navigate and zoom into the graphs. Loading measurements in a rich expert tool is not necessary. If simply checking a trend is all you want to do, you can save a lot of time and keep focused on the actual task at hand.

Of course, also deeper analysis of your measurements is easy with MaDaM. Through the tailor-made integration of meta data management and data analysis powered by our products KiReporter and jBEAM, you collect and analyze data in no time. Gain insights either by interactively working with your data in jBEAM or lay the foundation for decision making by automatically creating and emailing reports in PDF or Word format.

You can run MaDaM according to your preferences or corporate guidelines. You decide if you want to operate the solution on-premises in your data center or in your own private Cloud. Windows servers are supported as well as native or containerized Linux environments.

By connecting to your company's active directory or LDAP, you can quickly get your users to work and reuse existing user group architectures. Localization of the user interface supports you in working with international teams.

KISTLER

measure. analyze. innovate.

Technical data

Please note, that the following numbers are recommendations. The actual hardware requirements can differ depending on the type of system usage. The recommendations are an order of magnitude rather than exact requirements.

Server requirements and recommendations

	Minimum	Recommended
CPU	≥ 8 Cores, 20 MB Cache e.g. Intel Xeon E5 family CPUs	≥ 10 Cores, 30 MB Cache e.g. Intel Xeon E7 family CPUs
RAM	32 GB	≥ 64 GB
Index Storage	At least one Elasticsearch node with 256 GB free space (SSD recommended)	
Data Storage	At least 3 times the annual data volume times the years of intended storage (e.g. *3 * 2 TB * 2 Years of Storage results in 12 TB data storage capacity*). Server grade HDD with RAID 10	
Network	Fast- or Gigabit ethernet: at least 500 Mbit/s	Gigabit ethernet: 1000 Mbit/s

Server software options

	Native deployment	Docker deployment
OS	Windows erver or Linux server distribution (Ubuntu 22.04 or later is recommended)	Linux server distribution (Ubuntu 22.04 or later is recommended)
Runtime	JDK 11, incl. JavaFX (distribution with permissive license, e.g. *Azul Zulu*) Apache Tomcat 8.5.100, NodeJS 20	Docker & Docker Compose (1.29.2 or newer)
Additional	PostgreSQL 10 or newer, or MySQL 5.7.20 or newer Elasticsearch Node (Elasticsearch 8.9.0) WIBU Codemeter Runtime 7.60 or newer	WIBU Codemeter Runtime 7.60 or newer

Desktop PC requirements & recommendations

<u>In addition</u> to the requirements for the server-side part of the software, the requirements and recommendations for the client-side part (jBEAM and manual importer) are described here.

	Minimum hardware requirements	Recommended hardware requirements
OS	Windows 10 or 11, Linux (e.g. Ubuntu)	
CPU	6 Cores, ≥ 2.6 GHz, 12 MB cache, e.g. Intel Core i5-11400	16 Cores, ≥ 3.4 GHz, 30 MB cache, e.g. Intel Core i7-13700K
RAM	4 GB	16 GB
Storage	At least 2 GB free disc space for installation	
Other	1280 x 800 resolution display	1920 x 1080 resolution display
Network	At least fast-ethernet (100+ Mbit/s)	

User interface

	Minimal supported browser requirements			
Web-browser	Edge	Firefox	Safari	Chrome
Minimal major version	14	50	10	60
Languages	English, German, Chinese			