

KERN TYMM-03-A Alibi Memory Option Including Real Time Clock Module Instruction Manual

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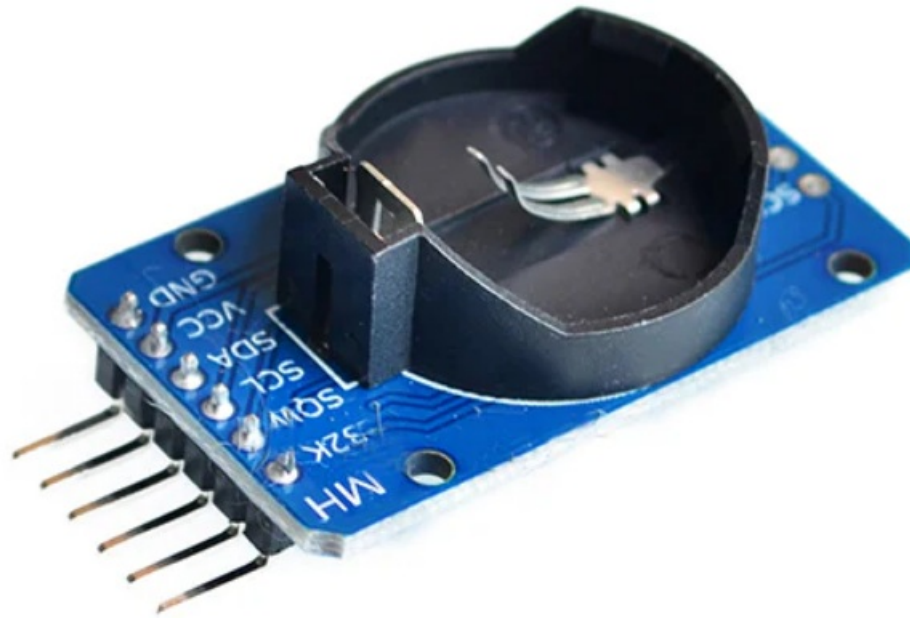


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KERN

KERN TYMM-03-A Alibi Memory Option Including Real-Time Clock Module



Product Information

- **Product Name:** KERN Alibi-Memory option including real time clock module
- **Manufacturer:** KERN & Sohn GmbH
- **Address:** Ziegelei 1, 72336 Balingen-Frommern, Germany
- **Contact:** +0049-[0]7433-9933-0, info@kern-sohn.com
- **Model:** TYMM-03-A
- **Version:** 1.0
- **Year:** 2022-12

Product Usage Instructions

1. General information on the Alibi memory option

- The Alibi memory option YMM-03 is used for the transmission of weighing data provided by a verified scale via an interface.
- This option is a factory-installed and preconfigured feature by KERN when purchasing a product that includes this option.
- The Alibi memory can store up to 250,000 weighing results. When the memory is full, previously used IDs are overwritten starting with the first ID.
- To initiate the storage process, press the Print key or use the KCP remote control command S or MEMPRT.
- The stored data includes the weight value (N, G, T), date and time, and a unique alibi ID.
- When using a print option, the unique alibi ID is also printed for identification purposes.
- To retrieve the stored data, use the KCP command MEMQID. This command can be used to query a specific single ID or a range of IDs.
- Example:
 - MEMQID 15: Retrieves the data record stored under ID 15.
 - MEMQID 15 20: Retrieves all data sets stored from ID 15 to ID 20.

2. Description of the components

- The Alibi memory module YMM-03 consists of two components: the memory YMM-01 and the real-time

clock YMM-02.

- All functions of the Alibi memory can only be accessed by combining the memory and the real-time clock.

3. Protection of stored legally relevant data and data loss prevention measures

- Stored legally relevant data is protected through the following measures:
 - After a record is stored, it is immediately read back and verified byte by byte. If an error is found, the record is marked as invalid. If no error is found, the record can be printed if needed.
 - Each record has checksum protection.
 - Information on a printout is read from the memory with checksum verification, instead of directly from the buffer.
- Data loss prevention measures include:
 - The memory is write-disabled upon power-up.
 - A write enable procedure is performed before writing a record to the memory.
 - After a record is stored, a write disable procedure is immediately performed (before verification).
 - The memory has a data retention period longer than 20 years.

You will find the current version of these instructions also online under: <https://www.kern-sohn.com/shop/de/DOWNLOADS/>

Under the column Operating instructions

General information on the Alibi memory option

- For the transmission of weighing data provided by a verified scale via an interface, KERN offers the alibi memory option YMM-03
- This is a factory option, which is installed and preconfigured by KERN, when a product containing this optional feature is
- The Alibi memory offers the possibility to store up to 250.000 weighing results, when the memory is exhausted, already used IDs are overwritten (starting with the first ID).
- By pressing the Print key or by KCP remote control command "S" or "MEMPRT" the storage process can be performed.
- The weight value (N, G, T), date and time and a unique alibi ID are
- When using a print option, the unique alibi ID is also printed for identification purposes as well.
- The stored data can be retrieved via the KCP command "MEMQID".

This can be used to query a specific single ID or a series of IDs.

Example:

- MEMQID 15 → The data record which is stored under ID 15 is
- MEMQID 15 20 → All data sets, which are stored from ID 15 to ID 20, are returned

Description of the components

The Alibi memory module YMM-03 consists of the memory YMM-01 and the real time clock YMM-02. Only by combining the memory and the real time clock all the functions of the Alibi memory can be accessed.

Protection of stored legally relevant data and data loss prevention measures

- Protection of stored legally relevant data:
 - After a record is stored, it will be read back immediately and be verified byte by byte. If an error is found, the record will be marked as an invalid record. If no error, then the record can be printed if needed.
 - There is checksum protection stored in every
 - All information on a printout is read from the memory with checksum verification, instead of directly from the buffer
- Data loss prevention measures:
 - The memory is write-disabled upon power-
 - A write-enable procedure is performed before writing a record to the memory.
 - After a record is stored, a write disable procedure will be performed immediately (before verification).
 - The memory has a data retention period longer than 20 years

Troubleshooting

To open a device or to access the service menu, the seal and thus the calibration must be broken. Please note that this will result in recalibration, otherwise the product may no longer be used in the legal-for-trade area. In case of doubt, please contact your service partner or your local calibration authority first

Memory module:


- No values with unique IDs are stored or printed:
 - → Initialize memory in the service menu (following the scales service manual).
- The unique ID does not increment, and no values are stored or printed:
 - → Initialize memory in the menu (following the scales service manual).
- Despite initialization, no unique ID is stored:
 - → Memory module is defective, contact service partner.

Real-time clock module:

- The time and date are stored or printed incorrectly:
 - → Check time and date in the menu (following the scales service manual).
- The time and date are reset after disconnecting from the power supply:
 - → Replace the button battery on the real time clock.
- Despite new battery date and time are reset when removing the power supply:
 - → Real-time clock is defective, contact the service partner.

TYMM-A-BA-e-2210

Documents / Resources

	<p>KERN TYMM-03-A Alibi Memory Option Including Real Time Clock Module [pdf] Instruction Manual</p> <p>TYMM-03-A Alibi Memory Option Including Real Time Clock Module, TYMM-03-A, Alibi Memory Option Including Real Time Clock Module, Real Time Clock Module, Clock Module</p>
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References

- [🌐 Your Name as Your Email | Hover Realnames](#)
- [⚙️ KERN & SOHN: Waagen, Mikroskope & Messinstrumente](#)