Pre-Contractual Data Information: Connected Product (EU Data Act)

Product	AMRMI310LTS, AMRMI310LTSCB3, AMRMI3COMMI, AMROEMMI310LTS, AMROEMMI310LTSCB3, FG3MI310LTS, FGFMI320LTS, FGFMI320LTSCB3, FHQMI310LTS, FHQMI3COMM, FJMMI330G5LCB4W, FJMMI330G5LCB8, FJMMI330G5LCB8W, FLKMI310LTS, FM2MI310MTBCB3, FSAMI302LTHCB10, FSAMI302LTHCB3, FV8MI320LTSCB8, KANMI310LTSCB3, MOBMI330LTF, OEMMI310LTF, OEMMI310LTS, OEMMI310LTSCB3, RAYMI302LTS, RAYMI302LTSCB15, RAYMI302LTSCB3, RAYMI302LTSCB30, RAYMI302LTSCB8, RAYMI31001MSF1CB3, RAYMI31001MSF3, RAYMI31001MSF3CB15, RAYMI31001MSF3CB3, RAYMI31002MSF1, RAYMI31002MSF1CB3, RAYMI31002MSF1CB8, RAYMI31002MSF3, RAYMI31002MSF3CB15, RAYMI31002MSF3CB3, RAYMI31002MSF3CB8, RAYMI310G5SCB8, RAYMI310LTF, RAYMI310LTFCB15, RAYMI310LTFCB3, RAYMI310LTFCB8, RAYMI310LTH, RAYMI310LTHCB15, RAYMI310LTHCB3, RAYMI310LTHCB30, RAYMI310LTHCB8, RAYMI310LTS, RAYMI310LTSCB15, RAYMI310LTSCB3, RAYMI310LTSCB30, RAYMI310LTSCB8, RAYMI310LTSISCB30, RAYMI310LTSISCB8, RAYMI320LTH, RAYMI320LTHCB15, RAYMI320LTHCB3, RAYMI320LTHCB30, RAYMI320LTHCB8, RAYMI320LTS, RAYMI320LTSCB15, RAYMI320LTSCB3, RAYMI320LTSCB8, RAYMI320LTSISCB15, RAYMI320LTSISCB30, RAYMI3ACISCB5, RAYMI3COMM, RAYMI3COMM4, RAYMI3COMM4I, RAYMI3COMME, RAYMI3COMMI, RAYMI3COMMM, RAYMI3COMMP1, RAYMI3COMMP2, RAYMI3MCOMM, RAYMI3MCOMMA, RAYMI3MCOMME, RAYMI3MCOMMP, XXXMI3CONNBOX, AMRMI310LTSCB15, FGFMI310LTSCB3, FGFMI320LTSCB8, FKUMI31003MSF1CB8, FMZMI310LTS, FMZMI3COMM, FMZMI3COMMI
Firmware / HW	Various. Note that digital outputs from the connected product require the communications box in conjunction with the MI3 sensor.
Connectivity / Interfaces	USB 2.0, RS485 (ASCII/Profibus DP-V0/Modbus RTU), Ethernet 10/100 Mbit/s (TCP/IP, UDP, HTTP, Profinet IO). No wireless interfaces.
Contact	privacypolicy@fluke.com

1) Product data

- **Physical measurements:** Infrared object temperature (ranges from −40 to 1800°C depending on sensing head model, up to 1,024 measurement points across up to 8 sensing heads). Sensing head internal/ambient temperature.
- **Device identifiers:** Comm Box serial number, sensing head serial number(s), device name/model (e.g., MI3LTS22), firmware revision (head and box), MAC address (Ethernet models), IP address, Profibus/Modbus slave address.

- **Status / telemetry:** Comm Box internal temperature, sensing head ambient temperature, head connection status (connected/disconnected/registered), laser on/off state, relay alarm status, operating mode (poll/burst), display backlight state.
- **Events & diagnostics:** Object temperature out-of-range alarm (relay output), head ambient temperature out-of-range warning, self-test errors, communication errors (cable break detection), parameter errors, register write errors. Profibus diagnostic bytes provide per-head and per-box error codes.
- **Configuration values:** Emissivity (0.1–1.1), transmissivity (0.1–1.0), alarm setpoint temperature, analog output scaling (low/high temp), averaging time, peak/valley hold time, temperature unit (°C/°F), output mode (mA/V/TC type), RS485/Ethernet addressing, baud rate, DHCP settings, subnet mask, gateway. Stored in device EEPROM.
- **Other:** 8-position emissivity recipe table (digital preselected emissivity values for process automation). Sensor gain and offset calibration values. Background temperature compensation values.

Estimated volume (typical): Per sensing head: ~20–50 bytes per measurement cycle (temperature + status). At fastest loop time (4–8 ms per head): ~5–10 KB/s per head. HTTP data logging: ~50 bytes/sample at user-defined intervals (1 s default). 64 MB internal logging memory supports ~24 days continuous at 1 s interval.

Collection Frequency: Continuous (burst mode: data transferred as fast as possible, 4–130 ms loop time per head depending on model) or periodic (poll mode: on request). HTTP data logging: periodic at user-configurable interval (minimum 1 second). Trigger/hold function available via external input.

For general operational guidance, please refer to the product’s user manual.

2) Data formats

Data primarily accessible via USB (ASCII-based API commands), RS485 (ASCII/Profibus/Modbus), Ethernet (ASCII/HTTP/Profinet), and analog outputs. HTTP server provides web-based data viewing and logging with downloadable files.

- **On export:** ASCII text (.dat file) from HTTP data logging (timestamp + temperature values, accessible via Windows Notepad or any text editor). Profibus GSD file (RAY_0D36.gsd) and Profinet GSDML file define data schemas for industrial bus integration.
- **On device/in transit:** ASCII command protocol over USB/RS485/Ethernet (documented in manual section 18). Modbus RTU register map (section 15.2). Profibus DP-V0 cyclic data exchange (section 14.2). Profinet IO with GSDML device description. Analog outputs: 0/4–20 mA or 0–5/10 V current/voltage signals.

3) Storage & retention

- **On-device storage:** Yes (Ethernet models with HTTP server). Internal memory: 64 MB, supporting ~24 days continuous logging at 1 s interval regardless of number of connected heads. New recording session overwrites previously stored data.
- **Cloud / servers:** No. The MI3 operates as a local/on-premises device. All data is transferred directly to locally connected equipment (PC, PLC, DCS) via USB, RS485, or Ethernet. Built-in HTTP server is Intranet-only. No cloud connectivity.
- **Retention:** HTTP data log retained until next recording session is started (overwrites previous). Configuration values stored in EEPROM until changed by user or factory reset command.

- **Deletion/anonymisation:** Data log overwritten automatically when new recording starts. Factory default command resets all configuration to original values. No automatic deletion timer; user-initiated only.

4) User access, export & erase

- **Where:** DataTemp Multidrop (DTMD) Windows software (free on Fluke website in addition to being included on DVD with device) for configuration and monitoring via USB/RS485. Built-in HTTP web server (Ethernet models) accessible via any web browser on the local network. ASCII command interface via USB/RS485/Ethernet (TCP port 6363).
- **How:** HTTP data logging: navigate to device IP address in browser, press Start to begin recording, press Get Data to download .dat file. DTMD software: connect via USB, view real-time data, configure settings. ASCII commands: connect via terminal/Telnet to TCP port 6363, issue poll commands.
- **Export formats:** ASCII text (.dat file) from HTTP data logging (tab/space-delimited, compatible with Notepad/Excel). ASCII command responses (human-readable text). Modbus registers and Profibus/Profinet data available in binary format per protocol specifications.
- **Limits:** Ethernet auto-closes port after configurable timeout (TTI command) if no traffic. RS485 network supports up to 32 devices. USB is single-connection only. HTTP server supports multiple simultaneous clients. Data logging password-protectable.
- **Request erasure:** Factory default command resets all configuration. New data logging session overwrites previous recording. Physical device data under user/operator control. Contact privacypolicy@fluke.com for any data held by Fluke.

5) Data Sharing with Third Parties

To the extent Fluke has access to the relevant data, you may authorize a third party to access such data by contacting Fluke using the details set out above, specifying the recipient and purpose of the data sharing. You may view and revoke authorized data transfers at any time via the same contact details.

Where data is stored locally on your device or within your own environment and is not accessible to Fluke, you are responsible for granting third-party access directly.

6) Terms of service, contract term & termination

As provided in the quote, order form, or agreement between you and Fluke. If you purchased the product through a distributor or reseller, the terms of service, contract term and termination are as agreed between you and that seller.

7) How Data Holder uses the data

If Fluke has access to any data generated through your use of a Fluke connected product or related service, this will be used in accordance with the applicable agreement between you and Fluke, through which you purchase Fluke’s products or services. The relevant Fluke entity details will be specified in the quote or order form as applicable.

Fluke may engage third parties to act as service providers and perform certain tasks on its behalf, such as processing or storing data generated in connection with your use of a Fluke connected product or related service. For more information, please visit **https://www.fluke.com/en-us/fluke/privacy-policy**

8) Trade secrets

No trade secrets are contained in the data.

9) Right to lodge a complaint

If you have a complaint relating to your Fluke connected product or related service, or the Data Act in general, you can contact Fluke using the details set out above. You also have the right to lodge a complaint with the relevant competent authority designated under Article 37 of the EU Data Act, in the Member State of your habitual residence, place of work or establishment.

Notice version: 1.0 **Last updated:** 2026-08-25