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

Product	Endurance Series (all variants): E1ML, E1MH, E2ML, E2MM, E2MH, E3ML, E3MH (1-color monochrome); E1RL, E1RH, E2RL (2-color ratio); EF1ML, EF1MM, EF1MH, EF2ML, EF2MH (Fiber 1-color); EF1RL, EF1RM, EF1RH, EF2RL, EF2RH (Fiber 2-color). All focus (F0/F1/F2), sighting (L/D/V), cooling (0/1), and communication (0/1/2) variants.
Firmware / HW	Various
Connectivity / Interfaces	Ethernet 100 Mbit/s (M12 connector, 100BASE-TX, IEEE 802.3u) with Power over Ethernet (PoE, IEEE 802.3af); RS485 half-duplex 2-wire (or 4-wire full-duplex on Fiber models), networkable up to 32 sensors, 1200–115200 baud; 4–20 mA analog output (max 500 Ω); 0/4–20 mA analog input; PROFINET IO option; EtherNet/IP option
Contact	privacypolicy@fluke.com

1) Product data

- **Physical measurements:** Infrared target temperature (ranges vary by model: 50–3200°C depending on spectral range and temperature variant — see product datasheet for specific model range), internal case/electronics housing temperature.
- **Device identifiers:** Model name (sensor identification code), serial number, firmware revision, MAC address, multidrop address (viewable via Information menu and digital interfaces).
- **Status / telemetry:** Measurement mode (1-color or 2-color ratio, depending on model), signal processing mode (averaging / peak hold / valley hold / advanced peak hold / advanced valley hold), internal temperature, relay status, analog output level, attenuation level (2-color models only), laser/LED/video sighting status.
- **Events & diagnostics:** Setpoint alarm relay (programmable threshold with deadband), internal temperature alarm, fail-safe error codes (sensor defective, internal temperature exceeded, target temperature out of range, signal too low, analog output error), dirty lens warning (signal drop detection).
- **Configuration values:** Emissivity (0.100–1.100 in 0.001 steps), slope (0.850–1.150, 2-color models only), ambient background temperature compensation, analog output range (0–20 mA or 4–20 mA), alarm setpoint and deadband, averaging time constant, peak hold reset parameters, trigger mode, RS485 multidrop address, IP address/subnet/gateway, PROFINET/EtherNet/IP settings.
- **Other:** Real-time temperature streaming via Ethernet (TCP/IP port 6363, UDP port 36363, HTTP web server port 80) and RS485 (ASCII protocol); MJPEG video stream from built-in camera (video-sighting integrated models only; not available on Fiber models); PROFINET IO and EtherNet/IP process data. No on-device data logging — all data is streamed to connected systems in real time.

Estimated volume (typical): Continuous streaming: ~20 bytes per temperature reading at configurable rates. Typical: ~7 KB/min at maximum rate; less with averaging enabled.

Collection Frequency: Continuous measurement (response time 2–20 ms depending on model, 95% value); output rate configurable via averaging time constant or trigger input; streaming rate depends on polling/subscription configuration.

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

2) Data formats

- **On export:** ASCII-based API command protocol allows custom data capture.
- **On device/in transit:** ASCII protocol over RS485/TCP; PROFINET IO process data (IEC 61158); EtherNet/IP implicit messaging (CIP); UDP datagrams (port 36363); HTTP web server (port 80) for live readings and video (integrated models with camera sighting).

3) Storage & retention

- **On-device storage:** No. The sensor streams measurements in real time; it does not store historical data internally. Configuration parameters are stored in non-volatile memory.
- **Cloud / servers:** No. All data remains on the local network. No cloud connectivity or remote data transmission.
- **Retention:** No on-device data retention (real-time streaming only); configurations retained in non-volatile memory until changed by user.
- **Deletion/anonymisation:** No stored measurement data to delete. Configuration can be restored to factory defaults via control panel or Multidrop Software.

4) User access, export & erase

- **Where:** built-in HTTP web server (accessible via sensor IP address) / ASCII API command protocol (RS485 or TCP) / PROFINET IO / EtherNet/IP. See user guide for full API.
- **How:** Connect to sensor via Ethernet or RS485 → open Multidrop Software or web browser → view live temperature readings → configure logging in host software as needed. No user account required.
- **Export formats:** Real-time data accessible via ASCII API protocol, PROFINET IO, EtherNet/IP, or HTTP web interface. Export format determined by receiving host system/software.
- **Limits/rate-limits (if any):** No rate limits. Sensor outputs continuously at its measurement response time (2–20 ms depending on model). Multiple simultaneous Ethernet connections supported.
- **Request erasure:** No stored measurement data on device. To reset configuration: use control panel (Setup → Factory Reset), Multidrop Software, or ASCII command. This restores all parameters to factory defaults.

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.

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