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

Product	Fluke 1742, 1746, 1748 Three-Phase Power Quality Loggers.
Firmware / HW	Version 2.3 in release process at the time of writing. Firmware versions are shown in the Fluke Energy Analyze + “Help | About” menu and on the “17xx Setup” main panel.
Connectivity / Interfaces	Wi-Fi (client and hotspot modes), Ethernet, USB. Bluetooth (BLE) to connect to Fluke x3000FC modules.
Contact	privacypolicy@fluke.com

1) Product data

Physical measurements

The 174x are devices without a display. User interaction is through a power button and LED indicators. Fluke Energy Analyze+ software (a.k.a. FEA+) is needed for configuration, data download and analysis.

- Measurements in electrical power distribution systems, including poly-phase topologies.
- Device features vary per type 1742, 1746, 1748:
  - **1742:** basic PQ — voltage, current, power, power factor, frequency; THD; flicker. Energy forward/reverse. Peak demand.
  - **1746:** basic PQ; advanced PQ — voltage and current harmonics up to 50th order, interharmonics up to 50th order, unbalance, dip, swell and interruption events, rapid voltage change events, mains signaling events, inrush current events.
  - **1748:** basic PQ; advanced PQ; waveshape deviation events; event RMS profiles; event waveform snapshots.
  - **All devices:** user-defined auxiliary channels — +/−10 V, and BLE connected Fluke x3000FC modules.

Device identifiers

- Product nouns “1742”, “1746” or “1748” — Power Quality Logger.
- Serial number on the device label, in Fluke Energy Analyze + Help | About; iFlex current sensor ID and serial number, visible as part of the logging data in FEA+.
- Connected BLE sensor type.

Status / telemetry

- Device LEDs indicate:
  - Configuration status (username, password, Wi-Fi hotspot passphrase).
  - Connection status for Ethernet, Wi-Fi hotspot and Wi-Fi client.
  - Time synchronization status.
  - Limited status of the logging session, battery and volts / amps measurement input connections, using LEDs on the front panel.
- No telemetry or data logging stream from the device to Fluke-managed assets.

Events & diagnostics

- PISEL logs (user readable).

- System logs (encrypted; only Fluke can decrypt, within the scope of technical support). These contain internal events and troubleshooting information.

Configuration values

- Measurement and logging settings are kept in flash memory for re-use.
- Device configuration (regional and language settings, username, password, Wi-Fi passphrase) is kept in flash memory.
- Both of the above are resettable to factory defaults by button press during startup and via Fluke Energy Analyze Plus software.
- No cloud connections are supported.

Other

- User-entered notes as part of the session metadata.

Estimated volume (typical): logging sessions up to approx. 700 MB. The device has built-in eMMC flash, approx. 3.5 GB for session data storage.

Collection Frequency: logging sessions can be started and ended manually or on a pre-programmed date/time. No PQ data is logged outside of an active logging session. All data must be polled from devices.

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

2) Data formats

On device — proprietary binary data format in device memory, and .fel files exported to USB sticks.

- **On device:**
  - Measurement data in proprietary format.
  - PISEL and encrypted system logs, text.
  - Until firmware version 2.3, the paid-for feature license "Modbus" enables Modbus TCP. Data exists in binary format. Not supported in fw 2.3 (RED).
- **On export (FEA+ software only):** all measured data to CSV, XML, PQDIF, XML (NeQual) or Excel file (GB/T, PRC); compliance reports including customer notes as .pdf or .rtf.

3) Storage & retention

- **On-device storage:** approx. 3.5 GB for logging session data, capable of holding several sessions.
- **Cloud / servers:** no cloud / server connectivity.
- Per session, the memory model can be configured to be linear (stop the session at maximum size) or circular (overwrite oldest logging data).
- **Retention:** logged data and configurations are retained until deleted by the user, either using FEA+ or by performing a factory reset. PISEL logs are retained until factory reset. System logs are retained beyond a factory reset, to also allow for debugging firmware update workflows.
- There are approximately 20 files to contain log data, with a maximum of 1 MB allocated per file. If the size limit is met, a second new file is allocated and the old one is kept for one iteration.

4) User access, export & erase

Access data:

- Transfer session data from the device to Fluke Energy Analyze + software:

- **Via USB stick:** copy session data to a USB stick, import to FEA+, export to the desired format.
- **Via FEA+ directly:** connect FEA+, download the data, export to the desired format. Fluke proprietary transfer protocol, TLS encrypted.

Export data:

- Load the data in Fluke Energy Analyze Plus → Export → select dataset and desired format → result file.

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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