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

Product	5322A EU, 5322A UK, 5322A/5 EU, 5322A/5/VLC EU, 5322A/5/VLC UK, 5322A/5/VLC/40 EU, 5322A/5/VLC/40 UK, 5322A/VLC EU
Firmware / HW	Firmware: obtain current version via *IDN? SCPI query or Setup Menu > Device Information on instrument front panel Hardware: obtain PCB revision from instrument rear label or service records
Connectivity / Interfaces	IEEE-488 (GPIB, ANSI/IEEE 488.1/488.2, address range 00–30, factory default 02); USB Device (USB Type B connector, virtual COM port / serial, baud 1200–115200, 8N1, factory default 9600 baud). One remote control interface active at a time (selectable via Setup > Interface menu). No Ethernet, no RS-232, no USB Host.
Contact	privacypolicy@fluke.com

1) Product data

- **Calibrator output functions:** Insulation resistance source (10 kΩ to 10 GΩ with 4½-digit resolution; 100 GΩ single fixed value; max applied test voltage 50 V to 1500 Vpk depending on set resistance; 5322A/5 variant: 10 kΩ to 100 GΩ, max 5500 Vpk); earth/continuity resistance source (100 mΩ to 10 kΩ, 3½-digit resolution, 2-wire or 4-wire, test current 5 mA to 700 mA); loop, line, and ground bond resistance source (14 mΩ to 1.7 kΩ, up to 40 A, 2-wire or 4-wire); RCD/GFCI calibration source (trip time 10 ms to 5 s; trip current 3 mA to 3 A); leakage current source (0.1 mA to 30 mA, compliance up to 250 V ac; modes: passive, differential, active, substitute); AC/DC voltage generation — 5322A/VLC variants only (3 V to 600 V ac and dc, ac frequency 40 Hz to 400 Hz)
- **Built-in multimeter measurements:** AC/DC voltage measurement (up to 1100 V rms on standard V input; up to 5000 V ac rms or dc on dedicated HV input; up to 10 kV with optional 5322A 10 kV Divider probe; up to 40 kV with optional 80K-40 probe); AC/DC current measurement (up to 30 A); AC power (W, VA, VAr) and power factor/phase measurement; HIPOT voltage THD (ac) and ripple coefficient (dc) measurement (up to 5000 V); HIPOT timer measurement (up to 999 s); Flash test Class I and Class II voltage and leakage current measurement; load current measurement
- **Device identifiers:** Model number and serial number (readable via *IDN? SCPI query; returns FLUKE, 5322A or 5320A in emulation mode, serial number, firmware version); firmware version and hardware revision (Setup > Device Information menu)
- **Status / telemetry:** Active output function (insulation resistance, earth resistance, loop/line/ground bond, RCD, leakage current, voltage — VLC only); active measurement mode (meter function, range, ac/dc); output state (STANDBY / OPERATE); DUT sensed test conditions (current level, current type, voltage); active remote interface (IEEE 488 / USB); 5320A emulation mode on/off; operating mode (local / remote / remote with lockout)
- **Events & diagnostics:** SCPI error queue (IEEE-488.2 status registers); self-test result (*TST? via SCPI); product error messages (displayed on screen and queryable via SYST:ERR?)

- **Configuration values:** Active interface selection (IEEE 488 or USB); IEEE 488 bus address (00–30, factory default 02); USB baud rate (1200–115200, factory default 9600); 5320A emulation on/off; beeper volume and on/off; display brightness; screen saver setting; calibration password; clock (time and date); user interface language (English, German, French, Spanish, Italian, Chinese); function-specific settings (residual impedance correction mode and values, test lead compensation, meter AC power units, phase display format, HIPOT timer threshold, HIPOT/Flash LC correction mode)

Estimated volume (typical): <1 KB per measurement event or SCPI query response; total on-device non-volatile data <1 MB

Collection Frequency: On-event (user-initiated measurements and SCPI commands only); no continuous or background data collection

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

2) Data formats

- **On device / in transit (remote interfaces):** All SCPI command responses are 7-bit ASCII (IEEE-488.2 standard). Measurement and output values returned as exponential numeric strings (e.g., 40e-03). Transmitted over IEEE-488 (GPIB) or USB virtual COM port (serial ASCII, 8N1). Internal calibration and configuration data stored in proprietary non-volatile format (not user-accessible in raw form). No published open data schema.
- **On export:** The 5322A has no USB Host port, no SD card slot, and no network interface. No file export to removable storage is available. All data must be retrieved via IEEE-488 or USB serial remote interfaces using SCPI commands.

3) Storage & retention

- **On-device storage:** Yes. Non-volatile internal memory retains: calibration adjustment coefficients; IEEE 488 bus address; USB baud rate; 5320A emulation setting; beeper, display, and screen saver settings; calibration password; clock (time and date); user interface language; function-specific parameters (residual impedance correction values, test lead compensation, meter settings). Measurement results are transient and lost on power cycle unless transferred via remote interface during operation.
- **Cloud / servers:** No. The 5322A has no cloud or network connectivity. No data is transmitted to Fluke servers during normal operation.
- **Retention:** All non-volatile configuration and calibration data retained indefinitely until overwritten. Transient measurement data lost on power cycle.
- **Deletion/anonymisation:** Configuration settings can be reset to factory defaults via the Setup menu. Calibration data requires the calibration password to modify or erase. Contact privacypolicy@fluke.com for additional data erasure requests.

4) User access, export & erase

- **Where:** Front-panel display and menu system (local); remote interface via IEEE-488 (GPIB) or USB virtual COM port (one active at a time); MET/CAL® Calibration Management Software (optional, PC-based)
- **How:** Local: front-panel keypad and rotary knob for viewing configuration and device information (Setup > Device Information). Remote: SCPI queries for configuration and measurement data (*IDN?, SYST:ERR?, SOURce and OUTPut query commands); MET/CAL® procedures over IEEE-488 or USB.

- **Export formats:** ASCII SCPI response strings for all parameter queries and measurement results via IEEE-488 or USB serial remote interfaces
- **Limits/rate-limits (if any):** No file export to removable storage. USB serial throughput limited by selected baud rate (up to 115200 baud). IEEE-488 throughput governed by instrument command processing speed; SCPI *WAI/*OPC synchronisation recommended for automated procedures.
- **Request erasure:** Reset configuration via front-panel Setup menu (calibration password required for calibration data). Contact privacypolicy@fluke.com for additional data erasure requests.

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.

Reference Documents

- Operator's Manual (5322A): **https://media.fluke.com/c293492d-167b-4971-91d9-b10800c1e23b_original%20file.pdf**

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