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

Product	5530A, 5540A, 5540A/600M, 5550A, 5550A/1G, 5550A/600M, 5560A, 5560A/1G, 5560A/2G, 5560A/600M
Firmware / HW	Various
Connectivity / Interfaces	IEEE-488 (GPIB, IEEE 488.1/488.2); RS-232 Serial (EIA RS-232, 9-pin D-sub, 9600–115200 baud); LAN / Ethernet 10/100/1000-baseT (TCP/IP socket, DHCP or static IP, configurable IP allowlist); USB Device / USBTMC (USBTMC-USB488, Type B connector, NI-VISA compatible); USB Host (Type A, for USB flash drive file I/O). All four remote interfaces may be used simultaneously.
Contact	privacypolicy@fluke.com

1) Product data

- **Physical measurements:** DC/AC voltage (0 V to ±1020 V); DC/AC current (0 A to ±30.2 A continuous); resistance (0 Ω to 1200 MΩ); capacitance (0 pF to 120 mF); inductance (13 µH to 120 H – 5550A/5560A only); temperature simulation – 17 thermocouple types (J, K, T, E, N, B, R, S, C, L, U, XK, BP, Au-Pt, Pt-Pd, and custom) and 10 RTD types (Pt100/200/500/1000 and others) per ITS-90/IPTS-68; AC power / phase angle / power factor (5530A/5550A/5560A); oscilloscope calibration signals – leveled sine (600 MHz to 2 GHz, model-dependent), fast edge (<175 ps), time markers, pulse, impedance (5540A/5550A/5560A)
- **Device identifiers:** Model number, serial number (readable via *IDN? or ID? SCPI query or Setup > About), firmware version, GPIB address (if configured), LAN hostname / IP address / MAC address
- **Status / telemetry:** Output state (operate/standby), output function and amplitude, operating mode (local/remote/lockout), fault/error queue contents (last 20 errors), calibration due date flag
- **Events & diagnostics:** SCPI error queue (circular, last 20 entries); self-test results (pass/fail per subsystem); calibration adjustment status, date, and count
- **Configuration values:** Calibration adjustment coefficients; user-stored instrument states (*SAV/*RCL); output voltage/current limits; GPIB address; LAN settings (IP/subnet/gateway/hostname/MAC, IP allowlist); RS-232 parameters (baud/data bits/stop bits/parity/flow control/EOL); USBTMC settings; display brightness; *PUD (Protected User Data) string

Estimated volume (typical): <1 KB per calibration event; instrument state snapshot ~50 KB; total on-device non-volatile configuration data <5 MB

Collection Frequency: On-event (user-initiated calibration operations 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 export (USB flash drive, USB Host port):** Instrument state and program files in ASCII text format. No published open schema; format documented in the 5560A/5550A/5540A/5530A Operators Manual, File Operations section.
- **On device / in transit (remote interfaces):** All SCPI command responses are 7-bit ASCII (IEEE-488.2). Transmitted over IEEE-488 (GPIB), USBTMC (USB), RS-232 Serial, or Ethernet TCP/IP socket. Binary Block Data format (IEEE-488.2 §8.7.9) is used only for the *PUD command. Internal calibration coefficients are stored in a proprietary binary format (not user-accessible in raw form).

3) Storage & retention

- **On-device storage:** Yes. Non-volatile internal flash memory retains: calibration adjustment coefficients and dates; all remote interface configurations (GPIB, RS-232, LAN, USBTMC); IP address, MAC address, network socket port, IP allowlist; output limits; display settings; *PUD string; instrument state snapshots (*SAV locations). Data persists until explicitly modified or erased by the user.
- **Cloud / servers:** No. The 5530A/5540A/5550A/5560A have no cloud or internet connectivity. The LAN interface is for local-network instrument control only (SCPI over TCP/IP socket). No data is transmitted to Fluke servers during normal operation.
- **Retention:** All non-volatile data is retained indefinitely until overwritten. The SCPI error queue retains the last 20 events (circular buffer, cleared by *CLS).
- **Deletion/anonymisation:** Granular erasure via the SCPI FORMAT command: FORMAT INST (product settings and *PUD string); FORMAT SERIAL / LAN / GPIB / USBTMC (individual interface configurations); FORMAT SETUP (all settings except serial number, MAC address, calibration records); FORMAT CAL (all calibration data – requires the instrument unsecure code). Factory calibration coefficients contain no personally identifiable information.

4) User access, export & erase

- **Where:** Front-panel touchscreen (local); USB Host port (USB flash drive); remote interface via LAN TCP/IP socket, USB Device (USBTMC), IEEE-488 (GPIB), or RS-232 Serial; MET/CAL® Calibration Management Software (optional, PC-based)
- **How:** Local export: insert a USB flash drive > [File] > [Save State] or [Save Program] > select destination > [Save]. Remote: SCPI *SAV <n> / *RCL <n> for state save/recall; MET/CAL® procedures with FILE I/O commands over LAN/USB/GPIB.
- **Export formats:** ASCII text (.txt) for states and programs via USB flash drive; ASCII SCPI response strings for parameter queries via all remote interfaces
- **Limits/rate-limits (if any):** 99 user memory locations for stored programs (*SAV/*RCL). USB export is limited only by drive capacity. LAN/USB/GPIB/RS-232 throughput is governed by instrument command processing speed; SCPI *WAI / *OPC synchronization is recommended for high-throughput automation.
- **Request erasure:** FORMAT INST (front panel or SCPI) removes user programs, user-modified settings, and *PUD data. FORMAT CAL (requires the unsecure code) removes calibration records. 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

- Programmer's Manual (5530A / 5540A / 5550A / 5560A): **https://media.fluke.com/b2b30a71-26d0-4067-be01-b308017892a8_original%20file.pdf**

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