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

Product	5790B 230, 5790B/3 230, 5790B/5 230, 5790B/AF 230
Firmware / HW	Various Firmware: obtain current version via *IDN? SCPI query or Setup Menu > System Settings on the instrument front panel Hardware: obtain PCB revision from the instrument rear label or service records
Connectivity / Interfaces	IEEE-488 (GPIB, ANSI/IEEE 488.1/488.2); RS-232 Serial (EIA RS-232, 9-pin D-sub null-modem, 9600–115200 baud); USB 2.0 Device/USBTMC (USBTMC-USB488, Type B connector, NI-VISA compatible); USB Host (Type A, for USB flash drive file I/O); LAN/Ethernet 10/100/1000BASE-T (TCP/IP socket, DHCP or static IP). One remote control interface active at a time (selectable via front-panel menu).
Contact	privacypolicy@fluke.com

1) Product data

- **Physical measurements:** AC voltage (600 µV to 1000 V rms, 10 Hz to 1 MHz – INPUT 1 & 2); wideband AC voltage (700 µV to 7 V rms into 50 Ω, 10 Hz to 30 MHz – 5790B/3; 10 Hz to 50 MHz – 5790B/5 and 5790B/AF); AC/DC current with Fluke A40B shunts (1 mA to 100 A, dc to 100 kHz); DC voltage (internal reference, used in AC/DC transfer mode)
- **Device identifiers:** Model number, serial number (readable via *IDN? SCPI query or front panel), firmware version, GPIB address (if configured), LAN hostname/IP address/MAC address
- **Status / telemetry:** Measurement mode (measurement/transfer), active input (INPUT 1/2/WIDEBAND/AUX), selected range and filter, operating mode (local/remote/lockout), calibration due date flag, days since last calibration
- **Events & diagnostics:** SCPI error queue (circular buffer); self-test results (pass/fail per subsystem); calibration adjustment status, date, temperature, and shift history (current and previous calibration)
- **Configuration values:** Calibration adjustment coefficients and shift history; GPIB address; LAN settings (IP/subnet/gateway/hostname/MAC); RS-232 parameters (baud/data bits/stop bits/parity/flow control/EOL); power-up input setting; display settings; *PUD string; A40B shunt data (serial number, calibration date, DC error, AC/DC correction factors)

Estimated volume (typical): <1 KB per measurement event; calibration report ~10–50 KB; total on-device non-volatile data <5 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 export (USB flash drive):** Calibration reports in ASCII text, saveable to a USB flash drive via the USB Host port. No published open schema; format documented in the 5790B Operators Manual.
- **On device / in transit (remote interfaces):** All SCPI command responses are 7-bit ASCII (IEEE-488.2). Transmitted over IEEE-488 (GPIB), USBTMC (USB 2.0 Type B), RS-232 Serial, or Ethernet TCP/IP socket (one interface active at a time). 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 memory retains: calibration adjustment coefficients and shift history (current and previous calibration cycles); GPIB address; LAN settings (IP/subnet/gateway/hostname/MAC); RS-232 parameters; power-up input setting; display settings; *PUD string; A40B shunt data. Data persists until explicitly modified or erased by the user.
- **Cloud / servers:** No. The 5790B has no cloud or internet connectivity. The Ethernet 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.
- **Deletion/anonymisation:** Configuration data and calibration records can be reset via front-panel menus or SCPI commands (requires the calibration security passcode for calibration data). Contact privacypolicy@fluke.com for additional data erasure requests.

4) User access, export & erase

- **Where:** Front-panel touchscreen (local); USB Host port (USB flash drive for calibration reports); 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: front-panel touchscreen menus for viewing configuration and calibration status; insert a USB flash drive and save calibration reports via Setup Menu > Print/Save Report. Remote: SCPI queries for all configuration and measurement data; MET/CAL® procedures over LAN/USB/GPIB/RS-232.
- **Export formats:** Calibration reports in ASCII text via USB flash drive; ASCII SCPI response strings for all parameter queries via remote interfaces
- **Limits/rate-limits (if any):** USB flash drive storage is limited only by drive capacity. Remote interface throughput is governed by instrument command processing speed; SCPI *WAI/*OPC synchronisation is recommended for high-throughput automation.
- **Request erasure:** Reset configuration via front-panel menus or SCPI commands (CAL_SECURE command required for calibration data erasure). 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 / Remote Programming Reference (5790B): **https://media.fluke.com/f969b653-c483-4d78-a50e-b10800c204a4_original%20file.pdf**

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