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

Product	4090A-256
Firmware / HW	Various (firmware version readable via SYST:COD:VERS or *IDN?; HW: dual-zone digital temperature controller, built-in reference-thermometer readout option)
Connectivity / Interfaces	RS-232 serial and USB via API documented in user guide
Contact	privacypolicy@fluke.com

1) Product data

- **Physical measurements:** Well/block temperature measured by the internal control sensor and (if fitted) built-in reference thermometer; range −95 °C to 140 °C
- **Device identifiers:** Model number, serial number, and firmware version (via the *IDN? query, e.g. response “HART,9190A,A79002,1.00”); also shown on the startup screen
- **Status / telemetry:** Current set-point, measured temperature, stability status, and heat-enable state
- **Events & diagnostics:** System error queue (SYST:ERR), status registers (cleared via *CLS), and configuration/reference-hardware state (*OPT?)
- **Configuration values:** Set-point(s), ramp/soak program (up to eight set-points, soak time, cycles, direction, pass tolerance), baud rate, linefeed mode, date/time, and password protection settings; if equipped with Process Electronics (-P), also stores UUT and reference-probe conversion parameters
- **Other:** If equipped with Process Electronics (-P): can store, view, print (to a PC via RS-232/USB in ASCII format), and erase completed program test results

Estimated volume (typical): <1 KB per RS-232/USB SCPI-style command/response; no continuous or background logging

Collection Frequency: On-event only (front-panel actions and RS-232/USB queries)

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

2) Data formats

Users read live values on the front-panel LCD and can query measurements, settings, and (if equipped with Process Electronics) stored test results over the RS-232 or USB interface; there is no on-device file export beyond the -P option’s print-to-PC function.

- **On export:** ASCII text responses to SCPI commands over RS-232/USB. If equipped with Process Electronics (-P), can transmit stored test results in ASCII format to a PC for printing via terminal-emulator or similar software. Full command set documented in the 9190A Operators Manual, Remote Operation chapter.
- **On device/in transit:** ASCII serial/USB strings; no removable media and no network interface. If equipped with Process Electronics (-P), retains up to a fixed number of stored test results on-device until printed/erased.

3) Storage & retention

- **On-device storage:** Yes. Non-volatile memory retains configuration (set-points, ramp/soak programs, communication/display/password settings) and calibration data; if equipped with Process Electronics (-P), also retains stored test results until printed/erased.
- **Cloud / servers:** No. No network or cloud connectivity; no data is transmitted to Fluke servers.
- **Retention:** Configuration and calibration data retained indefinitely until changed; if equipped with Process Electronics (-P), stored test results retained until erased (ERASE TEST) or overwritten.
- **Deletion/anonymization:** If equipped with Process Electronics (-P), stored test results can be erased on demand via the Test Result menu; no personal data is collected, so no anonymization applies.

4) User access, export & erase

- **Where:** Front-panel LCD display and keypad (local), and the RS-232 or USB remote command interface.
- **How:** Read values on the display, or connect a PC with a serial or USB cable and issue SCPI query commands to retrieve measurements, settings, and (if equipped with Process Electronics) stored test results.
- **Export formats:** ASCII text strings via RS-232 or USB.
- **Limits/rate-limits:** Throughput limited by the RS-232 baud rate (1200–38400) or USB interface; no removable-media or network export.
- **Request erasure:** If equipped with Process Electronics (-P), erase stored test results via the front-panel Test Result menu; reset configuration to defaults via the System Setup menu; no other personal data is stored to erase.

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.

Notice version: 1.0 **Last updated:** 2026-08-26