

Test guide: reading filament usage from a Prusa printer (PrusaLink)

Data collection for a future version of 3MF Katalog Manager · As of 25 Sep 2026 · Takes about 15 minutes · Linux, Windows and macOS

Hi, and thanks for helping out!

3MF Katalog Manager should also be able to ask Prusa printers how much filament they used. Prusa works differently from Klipper: there's a login and no print history. That's why we need answers at three points in time – before, during and after a print.

Nothing is changed on your printer. You just open a few addresses and send me what the printer answers.

1 Does my printer qualify?

If you can open your Prusa in the browser via its IP address and PrusaLink shows up, you can take part.

● PRUSALINK BUILT IN

Core One · MK4 / MK4S · MK3.9 / MK3.9S · XL · MINI / MINI+ (with current firmware 6.x).

● WITH A RASPBERRY PI

MK3S / MK3S+ / MK2.5S with PrusaLink on a Raspberry Pi Zero. An older interface, which is exactly why it's interesting.

● WITH OCTOPRINT

Please use the OctoPrint guide instead.

● ONLY PRUSA CONNECT

If you only print via the cloud: switch on PrusaLink in the printer menu, then you're set.

2 Security first

Important: Login uses the username `maker` and a password shown on the printer (*Settings* → *Network* → *PrusaLink*). **Never send me this password** – not in the form, not by email, not on Discord. I only need what the printer answers at the addresses below, not your credentials.

3 Preparation and login

Login: The browser asks for a username and password on the first request. Username: `maker`. Password: shown on the printer under *Settings* → *Network* → *PrusaLink*. Please never paste the password into the form.

☐ The printer is switched on.

- ☐ Your computer is on the same network as the printer (same Wi-Fi or LAN).
- ☐ You know the IP address, e.g. `192.168.1.60`, and the PrusaLink password from the display.

Below, `<IP>` stands for your printer's address.

4 The requests in the browser

NO.	ADDRESS	WHEN	WHAT IT SHOWS
1	<code>http://<IP>/api/version</code>	anytime	firmware and interface version
2	<code>http://<IP>/api/v1/info</code>	anytime	printer model and nozzle
3	<code>http://<IP>/api/v1/status</code>	idle	state while nothing is printing
4	<code>http://<IP>/api/v1/job</code>	during a print	the running job with file and progress
5	<code>http://<IP>/api/v1/job + /api/v1/status</code>	right after the print	whether the finished job is still available
6	<code>http://<IP>/api/v1/files/usb/<file></code>	anytime	grams, material and print time from the file

Older Raspberry-Pi-based printers may only answer on `/api/printer` and `/api/job`. In that case please send those answers instead. A 401, 404 or "no connection" is a result too.

5 Alternative: in the terminal

Instead of the browser you can use `curl` with digest authentication. The password stays local to your terminal – it's not in any of the saved files.

Linux **macOS** Terminal

```
A=192.168.1.60
P=YOUR-PRUSALINK-PASSWORD
curl -sS --digest -u "maker:$P" "http://$A/api/version" -o version.json
curl -sS --digest -u "maker:$P" "http://$A/api/v1/info" -o info.json
curl -sS --digest -u "maker:$P" "http://$A/api/v1/status" -o status.json
curl -sS --digest -u "maker:$P" "http://$A/api/v1/job" -o job.json
```

Windows PowerShell

```
$A = "192.168.1.60"
$P = "YOUR-PRUSALINK-PASSWORD"
curl.exe -sS --digest -u "maker:$P" "http://$A/api/version" -o version.json
curl.exe -sS --digest -u "maker:$P" "http://$A/api/v1/info" -o info.json
curl.exe -sS --digest -u "maker:$P" "http://$A/api/v1/status" -o status.json
curl.exe -sS --digest -u "maker:$P" "http://$A/api/v1/job" -o job.json
```

Important: only fill in `$P` locally, never send us this command with your real password in it – only the resulting `.json` files. Older printers: use `/api/printer` and `/api/job` instead.

6 What I need back

Please attach these answers as text or files (item 6 is optional):

ANSWER	WHEN	NEEDED?
/api/version	anytime	yes
/api/v1/info	anytime	yes
/api/v1/status	idle	yes
/api/v1/job	during a print	yes
/api/v1/job + /api/v1/status	right after the print	yes
/api/v1/files/usb/<file>	anytime	optional

One quick question: how long did the finished print stay visible under `/api/v1/job` ? (until the next print / until a restart / only briefly / not at all / don't know)

- ☐ printer model and firmware version (e.g. "Prusa Core One, firmware 6.3.2")
- ☐ which address worked (with or without a port)

7 How and where to send it

Easiest via the form on the test page: <https://3mfkatalog.de/en/printer-test.html#prusa> . It can also auto-redact file names before sending.

Or **on the 3MF Discord**, channel **#feature-wünsche-requests**, post **"PrusaLink – test results"**. Not on the server yet? Join at <https://discord.gg/abfVNfFqu3> .

Your data: Answer 6 contains the file name of your print. If you don't want to share it, replace it with "File 1" before sending. The PrusaLink password doesn't belong in any field – it's never sent and never stored.

8 If something doesn't work

WHAT HAPPENS	WHAT YOU CAN DO
401 Unauthorized	Wrong or outdated password – re-check it on the printer. Please send the message anyway.
404 Not Found	Your firmware doesn't have this endpoint, please try <code>/api/printer</code> and <code>/api/job</code> .
No connection	Check the IP, same network, is PrusaLink switched on on the printer?
Browser login works but curl doesn't	Check that you really used <code>--digest</code> .

Sources: public PrusaLink / Prusa Connect API documentation and community reports. Endpoints and behaviour may differ by firmware version – your answers are exactly what will help us find out.

Thanks a lot for helping!

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