FDB-22 Online Interface

ATQ Int.

Filament inventory
ATQ International

My_Account | Log_out | Current consumption monitor

Add new

Filament ID	Filament Type	Color	Brand	Manufacturer Part	Seller	Price	Date Of Purchase	Nozzle	Full kg	Full m	Bed temperature mi
2	TPU	White	Reprapper		Amazon.ca	40.23	2022-02-05	0.40	1.00	340.00	0
3	ABS	White	Ouverture		Amazon.ca	32.18	2022-01-29	0.40	1.00	400.00	80
4	TPE	Black	Filaments.ca		Filaments.ca	39.57	2021-11-24	0.40	0.50	243.00	80
6	PETG	White	Duramic		Amazon.ca	24.14	2021-09-13	0.40	1.00	338.00	0
7	PLA	Dark Blue	Filaments.ca		Filaments.ca	17.95	2021-07-10	0.40	1.00	335.00	0
8	PLA	Grey	Filaments.ca		Filaments.ca	17.95	2021-07-10	0.40	1.00	335.00	0
10	PLA	Black	Filaments.ca		Filaments.ca	17.95	2021-07-10	0.40	1.00	335.00	0
14	ABS	White	3D Printing Canada	2111301C7D0234	3D Printing Canada	39.11	2022-03-16	0.40	1.00	378.00	80
15	ABS PRO	White	Woxelab-China		Amazon.ca	31.03	2022-11-23	0.40	1.00	335.00	80
16	PLA	White	FlashForge Mech Solution	Made in China	Amazon.ca	30.99	2022-11-23	0.40	1.00	335.00	0
17	PLA	White	Anycubic		Amazon.ca	29.32	2022-12-29	0.40	1.00	335.00	60
18	PLA	White	Anycubic		Amazon.ca	29.32	2022-12-29	0.40	1.00	335.00	50
19	PLA	Black	Unknown-China		China	0.00	2023-01-07	0.40	1.00	335.00	0
20	PLA	Transparent	Giant Arm China		Amazon.ca	33.33	2023-03-05	0.40	1.00	335.00	0
100	PLA	Black				0.00	2022-03-28	0.40	1.00	335.00	0

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When you start using this software, your database must be empty.
You must fill at least one filament. To do this, click on the "Add new" button.

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Manufacturer data				User data	
Filament ID		Nozzle	0.4	Printer Model	
Filament Type		Full coil (in kg)	1	Print Temperature °C	
Color		Full coil (in meters) ***	335	Bed Temperature °C	
Brand		Bed temperature min °C		Print Speed (mm/s)	
Manufacturer Part		Bed temperature max °C		Quality rating	★ ★ ★ ★ ★
Seller		Printing Temperature min			
Price		Printing Temperature max		Comment	
Date Of Purchase	YYYY-MM-DD	Fan (On/Off)	ON		
Gauge	1.75	Printing speed min (mm/s			
		Printing speed max (mm/s		Filament Current length (m)	335

Consumed - Close Filament | Submit | Cancel | Current consumption

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Fill in all known data.
You can enter your filament ID (numeric: 1,2,3, etc.) but do not use 0 (zero).
This ID is used by the counting device when you choose which filament to use. So don't use values that are too large, such as 245, etc., as you'll have to turn the device knob to select it.
Some values (grey color) are default values and if you don't overwrite them, they will be saved in the current record. The purchase date will be "today" if not entered.
In all cases, it's important to enter identifiers that are not being used (the application will send a message if the identifier is already in use).

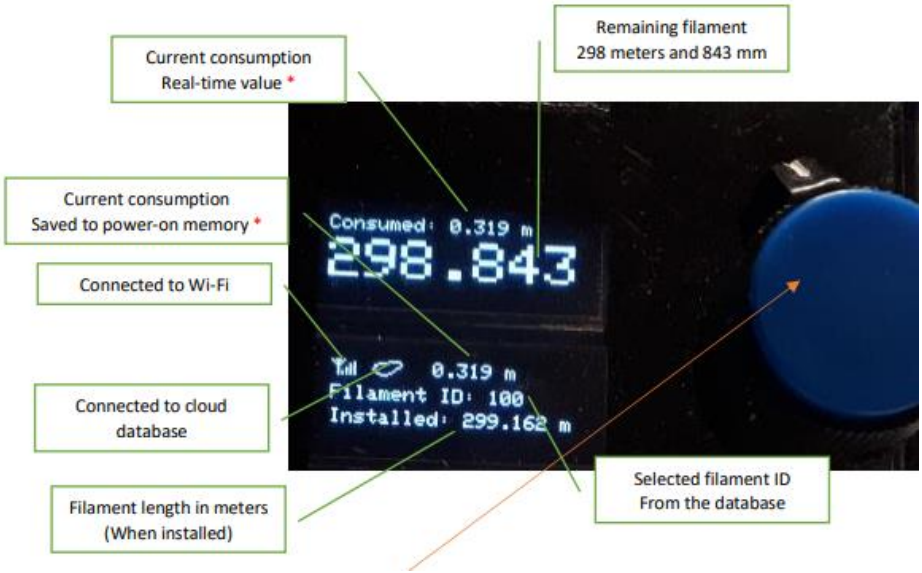
If you have changed the length of the complete coil in meters, you must enter the same value in the "Filament current length" field. This is done automatically by the software.
Click Submit to save the data, or “Cancel” if you wish to cancel and return to the inventory page.
Note: you can modify the data for any filament, but not delete it.
Once the filament has been used, click on the "Consumed" button to close it. It will no longer appear in your inventory.

The current filament length can be overwritten at any time to show the actual spool length.

This value is used to calculate the length of filament remaining on the coil.
When the spool is consumed, this value may become negative if the coil length is greater than the "Full coil" field.
If the value becomes negative as soon as the coil is consumed, check that the counter is correctly installed and change the direction (CW/CCW) if necessary.)

To change direction, you need to connect to the device again.
If your device is connected to your Wi-Fi, you need to use the device's IP address to connect it via your browser. See details of how to find the IP address and connect to the device in the document: FDB Get Started.
All documents are available at https://www.opcnet.com/products/fdb-22

Conclusion

If you are not connected to the database, you can select any identifier (ID) using the button.
Once selected, the counter starts each time from zero: 0.000
"Consumed" - on the display will increase from 0.000.
The length of remaining filaments will decrease (go to minus).

If the device is connected to the database, you can only select the filament ID stored in the database.
Otherwise, the unit will indicate that the selected filament does not exist.
When ID is selected, the counter starts from the value of the "Current filament length" field value in the database and decreases as consumption increases. The "consumed" value on the display increments with consumption.