

FlexxPump¹ B125A-M12

Technical data sheet (Item number 208008)

Product Description

The FlexxPump1 B125A-M12 (FP1 B125A-M12) is a highly efficient, microprocessor-controlled single point lubricator designed for a need-based direct supply of a lubrication point with grease or highly viscous oil.

Various operating modes are available. In the hour mode (-h-), pause times as well as a number of dispensing strokes can be set. In the emptying time mode (Et), an emptying time of the cartridge can be set in months.

The display of the FP1 B125A-M12 enables crucial status monitoring such as empty level, proper running, back pressure of the lubrication point and error messages.

The pump control detects the empty level of the cartridge.

The FP1 B125A-M12 is powered by an internal battery pack. There are lithium and alkaline battery packs to choose from. At low temperatures (e.g., outdoors) the use of lithium battery packs is recommended.

Thanks to battery packs, the FP1 B125A-M12 can be used in many areas flexibly where external power is not available.

Pre-filled lubricant cartridges and battery packs as well as other accessories are available.

Intended Use

Intended use of the FP1 B125A-M12 is to supply a single lubrication point with grease or highly viscous oil.

Technical Data

Power supply		+ 4,5 VDC
Number of outlets		1
Operating temperature	min.	- 15 °C (Lithium) + 15 °C (Alkaline)
	max.	+ 60 °C
Maximum output pressure		30 bar (435 psi)
Protection class		IP 54
Volume per dispensing stroke		0,15 ml
Lubricants	Grease	up to NLGI Class 2
	Oil	up to 30,000 mm ² /s (40 °C)
Cartridge volume		125 ml
Outlet connection		External thread M16x1,5 Internal thread M10x1
Mounting position		upright
Weight (without cartridge)		365 g

Important instructions

To ensure trouble-free operation on the FP1 B125A-M12, do not disassemble the unit. To prevent damage to the electronics, only original battery packs must be used.

A detailed description of the operation and control of the FP1 B125A-M12 is available in the up-to-date user manual!



Figure 1: FP1 B125A-M12 front view



Figure 2: FP1 B125A-M12 drive unit

Operating mode Hour mode (-h-)

The hour mode -h- allows setting the number of dispensing strokes (c) and a pause time (h) between two dispensing cycles in hours. Pause times (h) between 1...99 hour(s) and the number of dispensing strokes (c) between 1...10 can be set. Therefore, a dispensing cycle consists of up to 10 dispensing strokes. The FP1 B125A-M12 delivers the set number of dispensing strokes during the pause time.

Operating mode Emptying time (Et)

The emptying time mode Et allows the emptying time of the cartridge to be set in months. Emptying times between 1...24 month(s) can be set. The FP1 B125A-M12 calculates a pause time and delivers a dispensing stroke after the pause time has elapsed.

Default settings Hour mode (-h-)


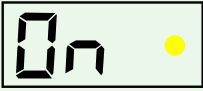

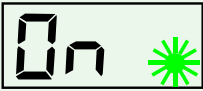
Pause time: h = 6 hours

Number of strokes: c = 1

Default settings Emptying time (Et)

Emptying time: Et = 6 months

Display – Meaning of LEDs

LCD	Explanation
	The red LED flashes every 5 seconds if there is an error.
	The yellow LED lights up when the action area has been touched with the magnetic pen (magnetic pen detected).
	The green LED lights up for approx. 10 ... 18 seconds during a dispensing process.
	The green LED flashes every 60 seconds if the FP1 B125A-M12 is switched on (ON) and there is no error.

Error messages on the display

Error messages	Meaning
E1	Error E1 (empty cartridge)
E2	Error E2 (overload)
E3	Error E3 (undervoltage)
E4	Error E4 (internal device error)

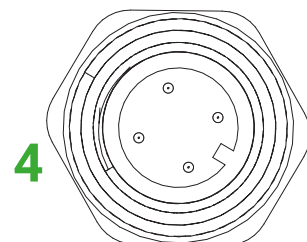
Signal output via LED cable

The FP1 B125A-M12 provides error messages with an external output signal. Regardless of the mounting location of the unit, error message can also be monitored remotely via PIN4 of the M12x1 and simultaneously on the front display.

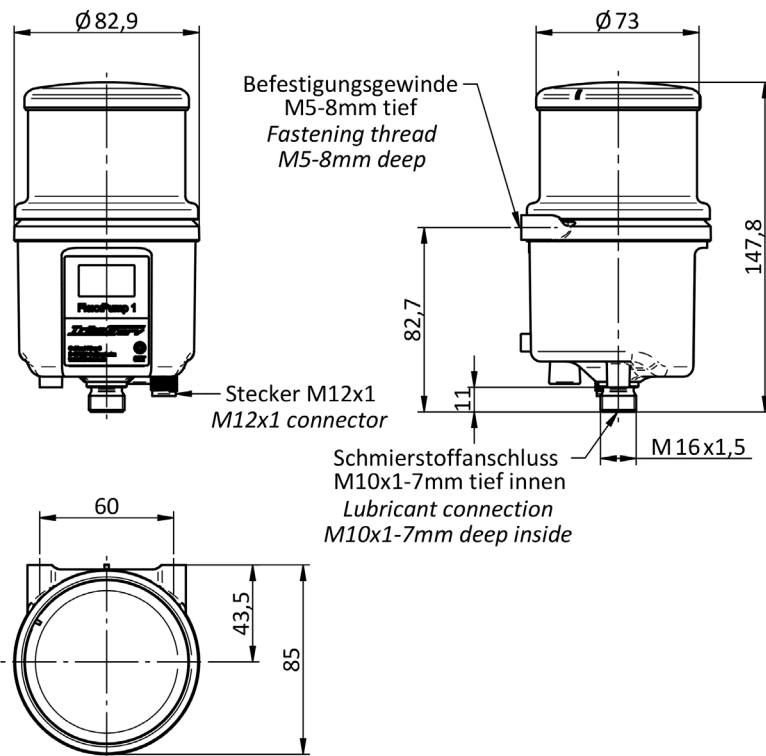
Commands for control

The commands explained below can be called up at any time in operating mode -h- and in operating mode Et.

Command	Explanation
INF	The INF command provides an informative overview of the current settings on the FP1 B125A-M12.
SET	The SET command allows you to make changes to the operating mode.
RUN	The RUN command enables a single dispensing to be triggered manually on the FP1 B125A-M12.
PRO	The PRO command allows you to make changes to the settings and dispensing action of the FP1 B125A-M12.
FIL	The FIL command allows you to manually trigger 40 dispensing action of the FP1 B125A-M12.



Installation dimensions



Installation

When installing, allow a minimum of 176 mm clearance from the top of the pump in opening direction of the cartridge for easy replacement.

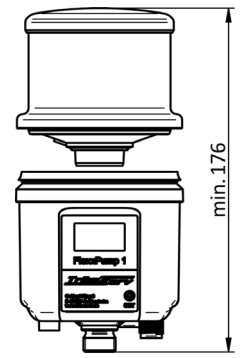


Figure 3: FP1 B125A-M12 back

Materials

Housing of drive unit	Polyamide 6, glass fiber reinforced
Thread inserts	Brass
Drive unit cover	Polyamide 6.6, glass fiber reinforced
Grease cartridge	Polypropylene, Polyethylene
Threaded connector	Stainless steel

Similar products

Description	Difference	Item-Nr.
FlexxPump1 B125	Drive unit cover green	211001
FlexxPump1 B125-M12	Connector for LED cable, green drive unit cover	211002
FlexxPump1 B125A	Drive unit cover anthracite	208006

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Page 3 of 3