

# Product information

## ALS EM 125

The ALS EM 125 is an electromechanical lubricator and ideal for controlled and precise greasing of single lubrication points. For instance roller bearings, slide bearings, guides and open systems like chains and / or gear drives.

The upper part of the ALS EM 125 contains the micro control, the drive and the electrical power supply (lithium battery pack). The lubricant is located in the bottom part of the lubricator. Following operating conditions are signaled by the LED:

- greasing function
- lubricant empty
- malfunction

The lubricant quantity or the running time can be set from 1-18 months via DIP-switches.

Scope of delivery: complete lubricator either filled with grease or empty

### **Benefits:**

- precise lubricant dosing
- electromechanical drive
- 15 settings for running time resp. lubricant quantity
- for multiple use (ALS recycling)
- self-sufficient greasing system
- corrosion proof
- visual control (LED)
- overload protection



### **Technical data**

Type	ALS EM 125
Running time	1-18 months
Content	ca. 100 cm <sup>3</sup>
Dimensions	diameter 80 mm, height 155 mm
Empty weight	557 gram
Connection	G ¼ male
Battery lithium pack	4x 1,5V, 1400 mAh
Operating temperature	0°C to +50°C *
NLGI grade	000 - 2
Operating pressure, constant	Max. 4 bar

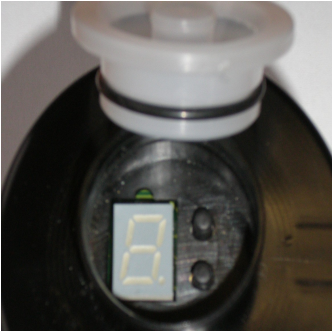
- only in combination with selected greases

- **Note: ALS is not responsible for consequential damage beyond replacement of lubricator or refund of amount paid.**

## Starting-up of the ALS EM Lubricator

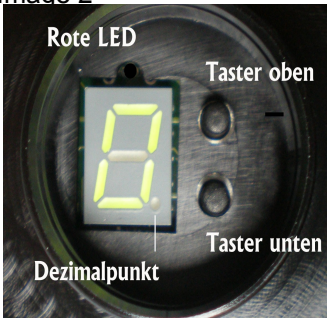
Before installing the ALS Lubricator, the lubricating point has to be pregreased using a hand grease gun with nanometre in order to remove/detect possible blockages or resinified oil or grease. Make sure that the bearing or the tubes are not blocked (max. 0,5 bar counter pressure)

Image 1



Once lubricator is installed on lubrication point, take off protective cap ( image 1) and turn on lubricator. For this purpose use push-buttons according to following instructions:

Image 2



Press the upper push-button (see image 2) . The LED display „0“ flashes up. The lubricator is turned on. The upper push-button sets the lubricating time (running time 1 – F). The lower push-button reduces the lubricating time. The respective lubricating times are found in the table below. After about 30 sec. the display goes out and the lubricator is ready for operation. The set lubricating time can always be changed or monitored by pressing the upper or lower push-button once. Thereby the set lubricating time is shown on the LED display (see table 1). Through pressing the respective push-button once or more often, a different lubricating time can be set.

While the lubricator is active and working, the LED display shows the respective preset greasing time (see number). A green control light (decimal point) on the right to the number lights up. The lubricator is functioning. If the lubricator is not operating properly, the green control light (only the decimal point) flashes about every 15 seconds.

After the running time of the lubricator is expired or the lubricator is empty, the electronic system turns itself off (red LED above the display flashes until battery is empty)

### Running times of lubricator and setting times of lubricator output

Table 1

Segment display	0	1	2	3	4	5	6	7	8	9	A	b	C	d	E	F
Running time in months	Off	1	2	3	4	5	6	7	8	9	10	11	12	13	15	18
Output cm <sup>3</sup> / day		4,0	2,0	1,33	1,0	0,8	0,66	0,57	0,5	0,44	0,4	0,36	0,33	0,3	0,27	0,23

The output is determined with NLGI class grease 2 and room temperature of 20°C. Accuracy +/- 10%

### Error display:

Red LED above display blinks: this indicates a general error, for instance overpressure ( more than 4,5 bar), gear or motor malfunction.

If there is a malfunction ( red LED flashes) the electronic system identifies all possible defects. The electronic system carries out three more error monitorings within the preset running time. If the same error happens three times in a row, the lubricator turns itself off automatically.