



# perma STAR VARIO BLUETOOTH

The new generation of automatic lubrication systems

## Convenient operation via perma CONNECT

perma STAR VARIO BLUETOOTH operates fully automatically, independent of temperature and pressure with a very precise discharge. The system consists of an electromechanical drive, an LC with 60, 120, 250 or 500 cm<sup>3</sup> lubricant and a battery pack. perma STAR VARIO BLUETOOTH provides pressure build-up of 7.5 bar and can be conveniently operated via perma CONNECT. The bluetooth-enabled lubrication system is used for single-point lubrication of roller and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals and chains and is ideal for lubricating electric motors with specified lubricant quantities thanks to extremely precise lubricant metering.

More about our perma products  
can be found on our website [www.perma-tec.com](http://www.perma-tec.com)



**MADE IN GERMANY**

The Expert in Lubrication Solutions

**perma**



## PRODUCT CHARACTERISTICS



### LCD DISPLAY WITH PUSH BUTTON DISPLAYS DISCHARGE PERIOD, LC SIZE & OPERATING STATUS

- Simple and self-explanatory operation
- Settings can be changed at any time
- One-time acquisition costs for STAR VARIO BLUETOOTH Drive



### BLUETOOTH FUNCTIONALITY

- Simple operation via perma CONNECT
- Realtime configuration, control and maintenance from a distance
- Increased workplace safety



### PRESSURE BUILD-UP OF 7.5 BAR ALLOWS REMOTE MOUNTING UP TO 5 M

- Mounting outside of dangerous areas
- Higher equipment availability
- Universal use

## TECHNICAL DATA

### Drive - reusable

Electromechanical drive with Battery pack STAR VARIO (Alkaline) or with Battery pack STAR VARIO low temperature (Lithium)

### Discharge period

1, 2, 3 ... 12 months | 1, 2, 3 ... 52 weeks  
STAR LC 60: + 15, 18, 21, 24 months  
STAR LC 500: max. 6 months

### Lubricant volume

60, 120, 250, 500 cm<sup>3</sup> | 2.03, 4.06, 8.45, 16.91 oz

### Operating temperature\*

-40 °C\*\* to +60 °C | -40 °F\*\* to +140 °F

### Pressure build-up

7.5 bar | 109 psi

### Protection class

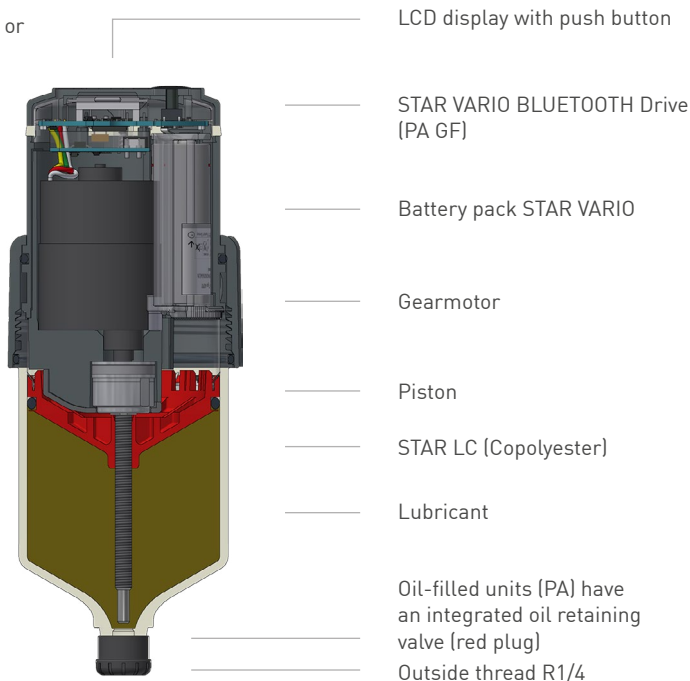
IP 67 | IP 65

### Standard & special lubricants

Greases up to NLGI 2 | Oils

### Dimensions

LC 60: Ø 75 x 155 mm | LC 120: Ø 75 x 178 mm  
LC 250: Ø 75 x 228 mm | LC 500: Ø 75 x 324 mm



\*To achieve functionality below -20° C / -4° F, Battery pack STAR VARIO low temperature (lithium) must be used.  
\*\*Only use with suitable low temperature lubricants!

### perma-tec GmbH & Co. KG

Hammelburger Str. 21  
97717 Euerdorf  
GERMANY

Tel.: +49 9704 609 - 0  
info@perma-tec.com  
www.perma-tec.com