

perma STAR VARIO BLUETOOTH

Precise lubrication system with Bluetooth function

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 cm³ 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. Combined installation with the add-on Gateway BLUETOOTH allows access via perma CONNECT from anywhere and anytime.

More about our perma products
can be found on our website *www.perma-tec.com*

MADE IN **GERMANY**

The Expert in Lubrication Solutions







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 cm³ | 2.03, 4.06, 8.45, 16.91 fl.oz.

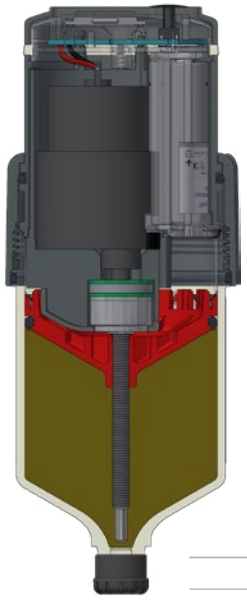
Operating temperature*
-40 °C** to +60 °C | -40 °F** to +140 °F

Pressure build-up
7.5 bar | 109 psi

Protection class
IP 67 | IP 65

Standard & special lubricants
Greases up to NLGI 2 | Oils

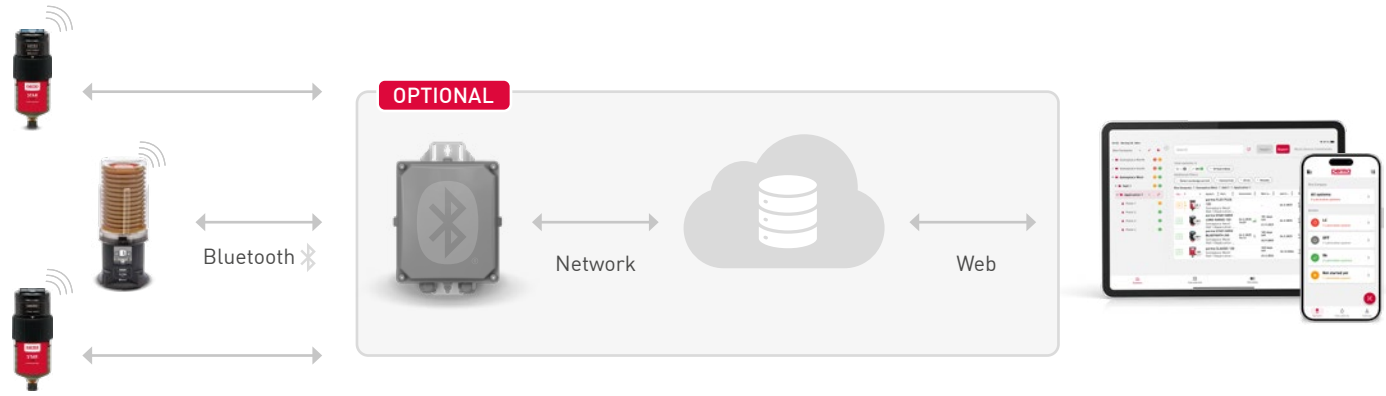
Dimensions
LC 60: Ø 75 x 155 mm | LC 120: Ø 75 x 178 mm
LC 250: Ø 75 x 228 mm | LC 500: Ø 75 x 324 mm



*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 BLUETOOTH ARCHITECTURE

Bluetooth-enabled perma lubrication systems in combination with Gateway BLUETOOTH



Bluetooth-enabled
perma lubrication systems
(range approx. 30 m)

Gateway BLUETOOTH
Add-on for global range

perma CONNECT

Gateway BLUETOOTH

How does it work?

» Bluetooth-enabled perma lubrication systems send status messages in real time via the Gateway BLUETOOTH to perma CONNECT.
- Messages include information such as status, timestamp / date, fill level (%)
- Message is sent on every status change

» Bluetooth-enabled perma lubrication systems can receive commands from perma CONNECT via the Gateway BLUETOOTH
- Receives commands after a signal has been sent
- Messages include actions like turning devices on / off, changing settings, running purge cycles

YOUR BENEFITS

EQUIPMENT AVAILABILITY

perma CONNECT provides a centralised overview of all lubrication points, enabling better coordination of maintenance activities. The Gateway BLUETOOTH allows remote access to system data at any time and from any location – ensuring faster response times and reduced downtime.

WORKPLACE SAFETY

Remote maintenance minimises contact with potentially hazardous machinery, significantly increasing workplace safety. Fewer manual interventions reduce the risk of accidents – especially in hard-to-reach or high-risk areas.

COST EFFICIENCY

A one-time investment and easy retrofitting into existing perma lubrication systems make the Gateway BLUETOOTH a cost-effective solution. Remote, digitised maintenance helps reduce both operational and staff costs.

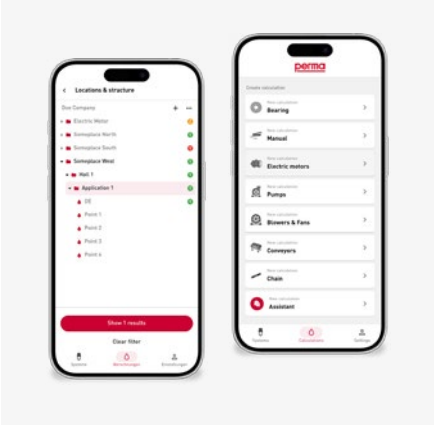
SUSTAINABILITY

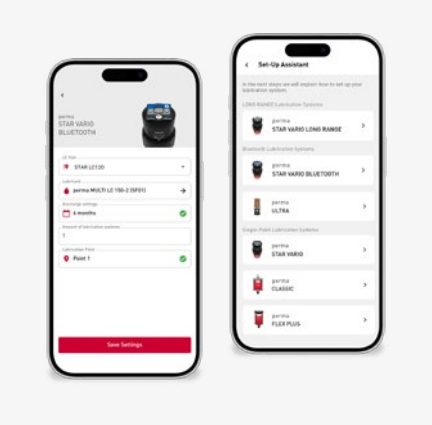
Reusing existing perma lubrication systems actively contributes to conserving resources. Digital control and monitoring optimise lubricant consumption and extend the service life of your equipment.

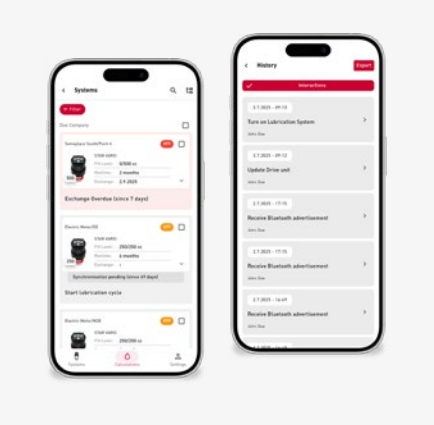
perma CONNECT

The application for digital lubrication point management

perma CONNECT = SURVEY + INSTALLATION + MAINTENANCE & EXCHANGE







SURVEY

- Precise calculation of the relubrication amount
- Reliable determination of the discharge period
- Helpful suggestions for the installation
- Simple creation of the organisational structure

INSTALLATION

- Convenient configuration and remote control via the application
- Flexible assignment of user roles
- Easy digitalisation

MAINTENANCE & EXCHANGE

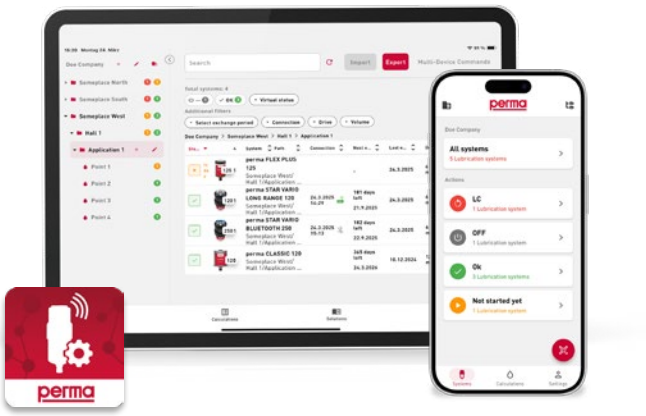
- Comprehensive overview of all lubrication points
- Proactive notifications for required actions
- Efficient creation of material lists
- Automatic documentation

Get perma CONNECT now!
Download it to your smartphone | tablet or open web application under: **https://perma-connect.com**

GET IT ON Google Play | Download on the App Store

To quickly get started with perma CONNECT, a range of step-by-step tutorial videos is available.

Click here to visit the perma YouTube channel!



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