perma STAR VARIO
High-precision lubrication system - independent of temperature and counter pressure

Three different sizes for individual lubricant metering

perma STAR VARIO operates fully automatically, independent of temperature and pressure as well as offering a very precise discharge. The system consists of an electromechanical drive, an LC with 60, 120 or 250 cc / 2.03 oz, 4.06 oz or 8.45 oz of lubricant and a battery pack. The desired discharge period and LC size can easily be selected with the setting button and are immediately visible in the LCD. The current operating status is indicated on the LCD and via LED signal lights (red/green) visible all round. The LED signals are also recognisable from a distance.
perma STAR VARIO is used for single-point lubrication of roller and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals and chains. Thanks to precise lubricant metering, perma STAR VARIO is ideal for lubrication of electric motors with specified lubricant quantities. perma STAR VARIO is protected against dust and water jets, subject to correct assembly of the individual parts (IP 65).

### Product characteristics

- **LCD display with setting button**
  - Displays discharge period, LC size and operating status
  - **Setting:** 1, 2, 3 ... 12 months and LC size

- **Electromechanical, reusable drive with battery pack**
  - LED (red/green) visible all round signals functioning and any errors

- **Pressure build-up to 6 bar / 87 psi**
  - Allows remote mounting up to 5 m / 14.4 ft
  - Counter pressure testing and manual additional discharge at the press of a button (purge)

### Benefits

- Simple and self-explanatory operation
- Precise settings according to requirements prevent lubrication starvation and over-lubrication
- Settings can be changed at any time
- Can be turned off for extended equipment shut downs
- Reliable, precise lubricant discharge independent of temperature and counter pressure
- One-time acquisition costs for STAR VARIO Drive
- Quick function control via LED signals saves time and relieves maintenance workers
- Installation outside of dangerous areas or at easy-to-reach places increases workplace safety and saves time
- Higher equipment availability, since exchange during running operation possible
- Lubrication point can be purged to clear blockages

### Technical data

- **Drive – reusable**
  - **Electromechanical function using Battery pack STAR VARIO**
  - **Discharge period:** 1, 2, 3 ... 12 months
  - **Lubricant volume:** 60 cc, 120 cc or 250 cc / 2.03 oz, 4.06 oz or 8.45 oz
  - **Operating temperature:** -10 °C to +60 °C / 14 °F to 140 °F
  - **Pressure build-up:** 6 bar / 87 psi
  - **Protection class:** IP 65

- **Standard & special lubricants**
  - Greases up to NLGI 2/oils

- **STAR VARIO Drive Gen 2.0 (PA GF)**
  - **Battery pack STAR VARIO** including protective cover
  - **STAR Standard Duty**
  - **STAR LC 60, 120 or 250**
  - **Support flange STAR Gen. 2.0 (PA GF)**

### Dimensions

- **LC 60:** Ø 75 x 155 mm / Ø 2.95 x 6.10 Inch
- **LC 120:** Ø 75 x 178 mm / Ø 2.95 x 7.01 Inch
- **LC 250:** Ø 75 x 228 mm / Ø 2.95 x 8.98 Inch

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