



LUBE
Control

Lube Control Pty Ltd

Perma STAR VARIO LONG RANGE

**The new generation with long range wireless connection
Convenient operation via perma CONNECT**

perma STAR VARIO LONG RANGE operates fully automatically, independent of temperature and pressure with a very precise discharge. The system consists of an electromechanical drive, a LC (Lubricant Cartridge) with 60, 120, 250 or 500 cm³ lubricant and a battery pack. perma STAR VARIO LONG RANGE provides pressure build-up of 7.5 bar. The 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. Thanks to LoRa® wireless technology, up to 2,000 lubrication systems in a facility can be conveniently managed via perma CONNECT over a distance of up to 2 km, using the Gateway LONG RANGE.



Product characteristics

LONG RANGE FUNCTION	EX-PROOF CERTIFICATION ZONE 2 ZONE 22	PRESSURE BUILD-UP OF 7.5 BAR ALLOWS REMOTE MOUNTING UP TO 5 M
<ul style="list-style-type: none">• Configuration, control and maintenance from a distance of up to 2 km• Management of up to 2,000 lubrication points via Gateway LONG RANGE• Simple operation via perma CONNECT	<ul style="list-style-type: none">• Automatic lubricant supply for lubrication points in potentially explosive areas (Zone 2 Zone 22)	<ul style="list-style-type: none">• Mounting outside of dangerous areas• Higher equipment availability• Universal use

Technical data

Drive - reusable	Electromechanical drive with Battery pack STAR VARIO (Alkaline)
Discharge period	1, 2, 3 ... 12 months 1, 2, 3 ... 52 weeks STAR LC 500: max. 6 months max. 26 weeks
Lubricant volume	60, 120, 250, 500 cm ³ 2.03, 4.06, 8.45, 16.91 fl.oz.
Pressure build-up	7.5 bar 109 psi
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
Ex certification	II 3G Ex ic IIB T6 Gc II 3D Ex ic IIIC T85°C Dc CML 25ATEX2358X IECEx CML 25.0080X Intrinsically safe / Sécurité intrinsèque Class I, Division 2, Groups C, D, T6 Class II/III, Division 2, Groups F, G, T85°C Class I, Zone 2, AEx ic IIB T6 Gc Zone 22, AEx ic IIIB T85°C Dc Ex ic IIB T6 Gc Ex ic IIIB T85°C Dc
Components	LCD display with push button · STAR VARIO LONG RANGE Drive (PA GF) · Battery pack STAR VARIO · Gearmotor · Piston · STAR LC (Copolyester) · Lubricant · Oil-filled units (PA) have an integrated oil retaining valve (red plug) · Outside thread R1/4

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