

Easylube[®] EX Series

ATEX Certified Automatic Lubricator



As we move towards the revolutionary era of Industry 4.0, our state-of-the-art AIoT operation program (Skymonitor[®] Lite) can assist you to set up optimal lubrication standards for all your bearing needs, as well as facilitating the inspection management by digitalizing information beyond the capabilities of a typical automatic lubricator in the market.

Three steps for correct bearing lubrication

1. Utilize the AIoT operation program to compute/ validate every bearing's optimal lubrication standard, to rectify human errors that plagued past practices.
2. Replace manual lubrication via introduction of Easylube[®] automatic lubricator to improve labor safety, as well as fulfilling the lubrication management standard of the three key elements of lubrication maintenance : greasing volume, re-greasing interval and appropriate grease.
3. Enjoy AIoT digitalized information management, monitor and supervise technicians for patrol inspection and on the fly anomaly feedback, by pairing with Skymonitor[®] Lite smart management program.



Super Reinforced Protective Shell

High/ Low temperature resistant
High Impact resistant
Waterproof / Dust-proof / Shockproof



Destruction Resistant Outer Shell

Translucent indicator light design
Integrated design with no light hole
No structural weaknesses, twice the durability



Smart Circuit Protection

The lithium battery can be used repeatedly until it reaches the lowest protection voltage limit, which improves battery utilization. Eliminate grease hardening or pipe blockage with abnormal detection warning.



Non-Sparking Safety Motor

Reduce labor hazards
Explosion-proof upgrade



Intuitive Smart Indicator Lights

Tri-color indicator lights to instantly identify lubricator operating status

- Normal
- Abnormal
- Low battery
- End of lubrication cycle



Original Warranty

Designated service packs, include Grease type & Lithium battery



More details

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HORNCHE CORPORATION
R&D Manufacturer

Product Specification

(Note 1)

Product Model	150 EX (Note 2)
Connecting Thread	1/2"PT (M)
Grease Cartridge Volume	150ml
Cycle Setting	0.5 to 12 months
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Push Force of Pressure Plate (Piston)	5-150 psi . Automatically adjusts according to the bearing's back pressure
Output Pressure (Cup exit)	Under 10 bars . Prevents grease from seeping through the shaft seal
Indicator Lights	Green: Normal operation Single orange: Low battery Double orange: Abnormal grease injection Red: End of lubrication cycle
Product Size (height x diameter)	15.7 x 8.35cm (6.18 x 3.28")
Easylube® Service Pack	Rated Power (Battery Specification): Easylube® P-613A 6V x 1600 mAh , V0
	Lubricant Refill (Lubricant Specification) Easylube® 1000 High performance grease cup Easylube® 1500 Multi-Purpose grease cup Easylube® 2000 Heavy-Duty grease cup Easylube® 5000 Food Grade grease cup DIY empty grease cup
ATEX Hazardous Locations Certification (Certificate Number)	Ex II 3 G Ex ec IIC T6 Gc DEMKO 20 ATEX 2227X
Ingress Protection Code	IP66
CE Certification	EMC SGS Reference No.: MH/2020/10001C RED SGS Reference No.: MH/2020/10002C
RoHS Certification	-

WARNING

Designated Service Packs

Please follow the technical specification requirements of Easylube® automatic lubricators. In order to ensure the best performance and the quality of Easylube® automatic lubricators, after the completion of each grease dispensing cycle, a new grease cartridge and a new lithium battery are required to be replaced.



Low Temperature Operation Instructions

The minimum operation temperature indicated in the product specification represents the operation temperature of the lubricator. For actual operation, the pumping performance of the selected grease and the stability of the power source under low temperature environment need to be considered.

Application method of Oil

Please install Easylube® automatic lubricator below the lubrication point or install the special throttle valve / check valve at the outlet of the grease cartridge during installation to prevent grease leakage.

Hazards and Safety Requirements

When using in hazardous areas, please adhere to the warnings on the product label and follow the operating instructions. Electrostatic charges may accumulate on the surface of the device and proper measures must be taken to prevent electrostatic hazards.

Please ensure to dispose or recycle the replaced parts (grease cartridge and battery) in accordance with the environmental protection policy stipulated by local laws. Especially for the lithium battery, it is forbidden to be recharged, dismantled, heated, burned, used outside the intended system, or discarded into water or flame. These improper behaviors may cause toxic substances to be emitted, which may harm human's health and cause environmental pollution.

Note:

- (1) The manufacturer reserves the rights to change the technical specifications without prior notice.
- (2) 60 EX, 250 EX models are under development.

Steps for Changing Service Packs

STEP 1

Take out old battery ,
remove empty grease
cartridge



STEP 2

Reset press plate position



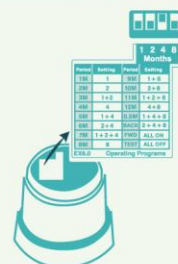
STEP 3

Install new grease cartridge



STEP 4

Confirm dispensing
cycle setting



STEP 5

Insert new battery



STEP 6

Confirm normal operations ,
observe grease is discharged

