

# EasyLube<sup>®</sup> EX Series

ATEX Certified Automatic Lubricator



The Industry 4.0 Skymonitor<sup>®</sup> Lite operation program will assist you to set up optimal lubrication standards and digitize information for inspection management beyond the capabilities of typical automatic lubricators.



## Three steps for correct bearing lubrication

1. Avoid human errors by utilizing AIoT operation program to compute bearing's optimal lubrication standard.
2. Automate lubrication with EasyLube<sup>®</sup> automatic lubricator to improve safety and uphold the key elements of lubrication maintenance management standard: greasing volume, re-greasing interval and appropriate grease.
3. Enjoy AIoT digitalized information, supervise patrol inspection and on the fly feedbacks, by pairing with Skymonitor<sup>®</sup> Lite smart management program.

## AI software support

- Stay ahead of the market with AIoT technology inspired software.
- Maintain the fundamentals of tribology with MQL calculation, lubrication SOP and management of patrol inspections.
- Establish seamless cloud connected lubrication operations for all devices and workstations.



## 1. Improved industrial safety coverage

- Expanded certifications (ATEX explosion-proof) to satisfy wider range of industrial requirements.
- Diminish safety concerns by improving the safety of the environment for lubrication operations.



## 2. Smart protection circuits

- Avoid damages by receiving alerts for electrical anomalies via detection by smart circuits.
- Detect lubrication channel anomalies through mechanical feedbacks to provide early warnings for potential problems.
- Reduce costs with reusable and improved battery life through active power management.



## 3. Durable and intuitive outer shell

- Supreme durability that can withstand extreme industrial environment and capable to maintain IP66 after prolonged exposure to erosion.
- Foolproof designed tri-color intuitive indication lights and tamper proof outer shell to ensure peace of mind of inspectors and managers.



## 4. Intuitive Smart Indicator Lights

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



More details



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**HORNCHÉ CORPORATION**  
R&D Manufacturer

## Product Specification

(Note 1)

|   |   |
|---|---|
| Product Model   | 150 EX  |
| 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<br>Single orange: Low battery<br>Double orange: Abnormal grease injection<br>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):<br>Easylube® P-613A 6V x 1600 mAh , V0   |
|   | Lubricant Refill (Lubricant Specification)<br>Easylube® 1000 High performance grease cup<br>Easylube® 1500 Multi-Purpose grease cup<br>Easylube® 2000 Heavy-Duty grease cup<br>Easylube® 5000 Food Grade grease cup<br>DIY empty grease cup |
| ATEX Hazardous Locations Certification (Certificate Number) | II 3 G Ex ec IIC T6 Gc<br>DEMKO 20 ATEX 2227X   |
| Ingress Protection Code                                     | IP66  |
| CE Certification  | EMC SGS Reference No.: MH/2020/10001C<br>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.

## 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 if the running  
test and light signals  
are operating normally

