

# Easyube<sup>®</sup> MAX

MAX Automatic Lubricator EL- 60/150/250 MAX

## + Realtime Remote Lubrication Management App Skymonitor<sup>®</sup> Lite

Original Realtime Remote Lubrication Management technology (data secured intranet design). You will only need to scan the QR code on the drive unit's main frame to download the AI smart operation software (Skymonitor<sup>®</sup> Lite) for free. Users can use the APP to monitor lubrication information and log for each lubrication point on the equipment within the factory easily. This includes: lubrication SOP calculation, automatic lubricator setting, on-site patrol inspection schedule, consumable replacement timings, maintenance work log and calendar, and other composite information. Hence obtaining the advantages brought by the continuous upgrade of the software and head towards the Internet of Things (IoT) management technology of Industry 4.0.



Use AI Smart Program to compute every bearing's lubrication SOP (Greasing volume, re-lubrication interval, and grease specifications), eliminating troubles caused by lack of experience or expertise and improving upon uncertain guessing patterns in the past.



Install automatic lubricator to fulfill the lubrication SOP of each bearing to prevent mishaps from manual greasing, improve labor safety, and achieve reduction in the cost of preventive maintenance.



By pairing with Skymonitor<sup>®</sup> Lite, all the data will be digitalized by the AI Smart Management Program. This will enable users the ability to monitor the lubrication condition, maintenance records, technician's inspection timings at their convenience and instantly alert them with anomalies.



## + AI Smart Electrical Control System

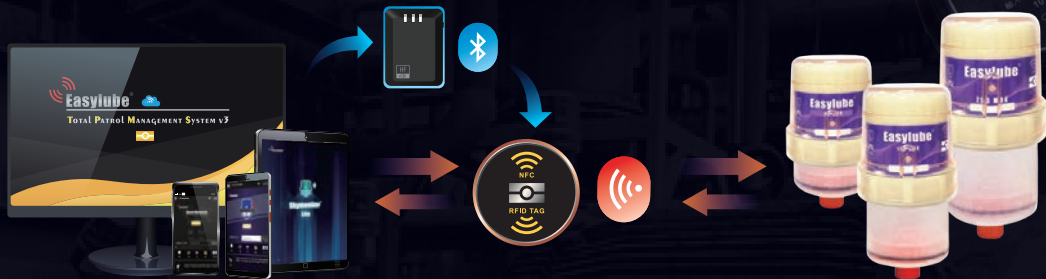
When you use a disposable lithium battery, it will automatically detect the battery level and allow you to utilize every lithium battery repeatedly and fully. The maximum reusability can reach 2-6 times (according to lubrication interval and operation condition). It will greatly reduce the cost to be below solar power or rechargeable batteries to achieve environmental protection and economical expectations. When the battery level is too low to support lubricator's operation, it will automatically display orange indication light (intermittent flashing) to alert users to change new battery.

## + RFID + Bluetooth Communication

The MAX series will incorporate (Bluetooth Communication) inspection NFC reader to pair with any information management tools such as smart phones / tablets / laptops / desktops and feature phones to simplify the inspection tasks for operators, hence improving efficiency and accomplish on-site inspection of every automatic lubricator in the factory to reach the basic goal of advance Industry 4.0 management.

## + Pair with External Power Supply – Synchronized with Equipment Operation

The MAX series possess on board memory to record operation time that can be used to synchronize operations and power (ON / OFF) between devices when paired with external DC power supply. The internal Smart Management Circuit Board will automatically perform greasing according to actual bearing operation time to achieve sufficient and unwasted greasing to meet the high efficiency and low-cost requirement of the factory.



+ Smart Patrol Inspection Management APP

+ RFID Smart Sensor Chip  
+ NFC Bluetooth Communication Patrol Inspection Reader

+ MAX Automatic Lubricator



## + Intuitive Smart Indicator Light

- Normal Timing
- Abnormal Greasing
- Low Battery
- Complete Greasing Cycle

## + Smart Sensing and Greasing Simulation

+ Low Battery Voltage Protection Design

+ Premium Official Service Pack

+ 2 Years Warranty for Lubricator



ISO9001 R&D, Manufacturing & Sales  
Certified Factory

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**+ Product Specifications**

(Remark 1)

Product Model	150 MAX (Remark 2)
Outlet Diameter	1/2" PT (M)
Grease Volume	150 ml
Greasing Interval Range	Adjustable 0.5 to 12 months
Operation Temperature Range	-20°C ≤ Tamb ≤ + 60°C (-4 to 140°F)
Pressure Plate Thrust (Piston)	75 – 150 psi (5 – 10 bars) Automatically adjusted according to bearing back pressure
Operation Indicator Lights	Green: Normal Timing Double Orange: Abnormal Greasing Single Orange: Low Battery Red: Complete Greasing Cycle
Product Dimension (Height x Diameter)	16.3 x 8.9 cm (6.4 x 3.5")
Rated Power (Battery Range)	P-613B Explosion Proof Battery: DC 6V, UL94-V0 Fire-resistance Rating
Official Service Pack	Grease Refilling Tool (Grease Specification) Easylube® 1000 High Performance Easylube® 1500 Multi-purpose Easylube® 2000 Heavy Duty Easylube® 5000 Food Grade DIY Empty Grease Cup Refill Kit
Hazardous Areas Certifications	File E218441 Class I, Div. 2, Groups A, B, C and D
CE Certification	- (Remark 3)
Ingress Protection Code	IP65

**Notes**

- (1) The manufacturer reserves the rights to change the technical specifications without prior notice.
- (2) 60 / 250 MAX models are under development.
- (3) CE certifications are under application.

**+ Important Notice**



**Replacement of Service Packs**

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



**Operation Indication Light**

The new generation MAX model is designed to be more convenient as it allows the exchange of grease cup under green indication light and without the need to shut off electrical supply. The red light indicates a change of grease cup is required; the single orange light indicates a change of battery is required; if double orange indication light is displayed, the device is required to be switched to test mode with everything turned off to allow the device to automatically detect and clear anomalies before it can be switched back to original interval mode for normal operation.



**Low Temperature Operation Instruction**

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 are required to be in consideration.



**Application Method of Lubricating Oil**

Please install Easylube® automatic lubricator below the lubrication point or install the special throttle / check valve at the outlet of the grease cup to prevent leakages.



**Hazard and Safety Notice**

Please follow the warnings and respective safety instructions on the product label when using in hazardous areas. Please ensure proper antistatic countermeasures as electrostatic charges may accumulate on the surface of the device. According to explosion proof certification specifications, the lubricants dispensed by this equipment are to have flash points greater than 200°F (93.33°C).

Please ensure to dispose or recycle the replaced parts (grease cup and battery) in accordance with the environmental protection policies 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 the health of people and cause environmental pollution.

**+ Steps to Change Service Pack**

**01** Remove old battery and grease cup

**02** Reset pressure plate

**03** Install new grease cup

**04** Check re-greasing interval setting

**05** Insert new battery

**06** Ensure normal operation and observe grease discharge