

S100 Series Electric Single Point Grease Filler

Automatic lubrication

The M E S O LUBE S100 series is a simple, reliable automatic lubricator for applications with varying temperatures or remote installations such as vibration, confined spaces or hazardous environments.

MESOLUBE



Oil injection speed is not affected by temperature
Maximum lubrication pressure of 12 bar during the entire dispensing period with the possibility of setting various lubrication cycles

Transparent oil tank, you can

check the remaining capacity in real time red-yellow-blue LED

indicator shows the status of the lubricator external power supply can be linked with the equipment power start-stop

Suitable for direct and remote installation

parameters Model

SP125 / SP250

Grease filler capacity 125ml / 250ml (can be refilled repeatedly) Repeated grease filling times Up to 10 times (seal life effect) Applicable oil Thin oil or grease not higher than NLGI cl.2 Operating temperature range - 20°C to +60°C

(with the appropriate

choice of grease) Maximum working pressure to 12 bar (175 psi)

Longest lubrication line 3 meters (10 feet) Dimension 125ml diameter 82 mm height 178mm

250ml diameter 82 mm height 225mm

Protection grade IP65

Power supply form 4.5V lithium battery pack / 24V external power supply set lubrication cycle 15 days, 1, 3, 6, 9, 12

months battery life Maximum 12 months Interface Thread R1/2

Up

S200 Spring lubricator



□ Operating principle

S200 spring lubricator, its working principle is to use the spring reaction force as a drive, push the piston to transfer grease to the lubrication point, grease conveying volume can be adjusted through the top adjustment knob, in order to obtain the best amount of grease.

In the process of use, if the grease in the grease injector is used up, the grease can be replenished to the grease storage room through the grease filler mouth, so as to obtain long-term, stable and efficient lubrication effect.

□ Adjustment knob



□ Specifications

Features	Specifications
Drive	spring reaction force
Capacity	100cc
Installation Thread Size	G1/4"
Product Size	67mm(φ)*133mm(H)

□ Product features

- Easy to operate and maintain
- It can be repeated to replenish grease
- Flexibly adjust the amount of grease
- High reliability and wide application
- Compact structure, unlimited installation

□ Application area

- Motor、 Pump、 Rotary equipment
- Conveyor belt、 Conveying equipment
- Automatic equipment
- Metallurgical、 Cement and the paper industry
- Central air-conditioning unit

S300 Electrochemical Single-point Lubricator

Features

- ◆ Systems with rotary switches, the discharge cycle can be set to: 1, 3, 6, 9, 12 months

System can be mounted and used immediately

Rotate the switch to set and activate

The discharge cycle is one to twelve months

- ◆ Operating temperature: -20 °C to 600 °C

Can be used in various temperature ranges

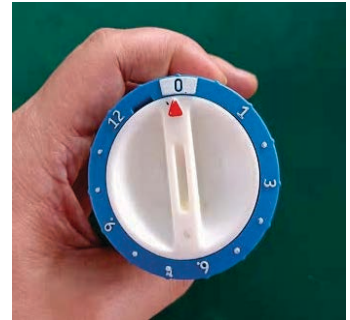
Can be used outdoors all year round

- ◆ Protection class IP 68

Safe and reliable lubrication in explosive areas

Can be used in moist and dusty environments

Increased workplace safety



Specifications

Housing	Transparent plastic
Drive	Electrochemical reaction
Discharge period	1~12 months
Lubricant volume	60 and 125 cc
Operating temp.	20 °C to 60 °C
Pressure buildup	Max . 5 bar
Protection class	IP 68
Lubricants	grease up to NLGI 2



Applications

Electric motors, open gears, pumps, roller bearings, sliding bearings, etc.

NB150/NB300 (NB-IOT model) Automatic lubrication

The lubricator is equipped with wireless communication function and adopts NB-IOT and LoRa transmission technology to realize remote control of single-point greaser and can remotely monitor the status of equipment.

NB-IOT grease filler with APP mobile client, can easily realize monitoring and communication control with thousands of devices.

The LoRa model lipid adder forms a closed radio network through the base station gateway, and the long-distance communication can reach 3 km, and the construction, installation and commissioning are simple and fast, and each

The device gateway is equipped with wired network port and RS485 interface, and can access the big data platform through private protocol.

The automatic lubricator has a maximum output pressure of 10 bar and can be refilled with lubricant.

Oil cup capacity of 150ml and 300ml two built-in NB-IOT /

LoRa control unit Powered by 6V lithium battery pack

The automatic lubricator has:

Oiling pressure monitoring, fault light prompt, grease empty cup alarm

Real-time monitoring of equipment operation status through mobile APP terminal or PC terminal.

Using IOT/LoRa technology, it is easy to monitor the status of up to thousands of lubrication points and simultaneously monitor the lubrication status of rotating equipment in multiple plants for early warning and real-time improvement. Download Mobile APP program, i.e. monitoring multiple, different settings and different lubricant types of lubricators under the same system at the same time.



The MESOLUBE remote single point greaser is controlled by a microcomputer and has a built-in NB-IOT/LoRa module that uses Low Power Wide Area Network (LPWA) and Long Range Radio (LoRa) technology to monitor the greaser's operating status from a distance.

The NB-IOT model can remotely monitor the working status of the grease filler through the cell phone APP terminal, thus realizing real-time monitoring of equipment status and early warning. Thus, it is convenient to maintain the equipment and replenish the lubricating grease regularly and quantitatively, and it is not affected by the distance. It is a highly intelligent electromechanical integrated intelligent grease replenishment equipment.

Product Model NB150/NB300 (NB-IOT model)

LR150/LR300 (LoRa model)

grease filler capacity 150ml, 300ml Applicable oil
Dilute oil or grease pump form not higher than
NLGI 2 Plunger pump Oil pump displacement
0.15ml /stroke Communication method NB-IOT or
LoRa technology control form Built-in
microprocessor control Pressure monitoring
System pressure value cell phone APP or PC
monitoring Capacity monitoring Emptying
monitoring alarm mobile APP or PC monitoring
fault alarm Indicator light + mobile APP or PC
monitoring Switch/Setting Magnetic Switch Setting
Repeat Filling Standard grease nipple refill
lubricant nozzle

specifications National standard

straight grease nipple

Number of oil outlet 1

outlet port outlet port

thread R1/4 male

thread

Lubrication cycle 1-12 months adjustable, cell

without grease net weight of about 350 grams

300ml net weight without grease about 500g

