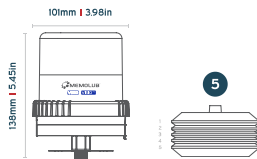


MEMOLUB VISIO SERIES KNOWLEDGE BASE

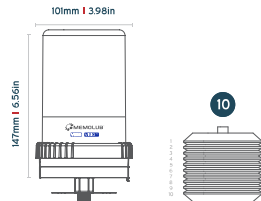
Ref. IDs: 6300, 6311, 6312, 6313, 6321, 6322, 6323, 1620, 6317, 6327

DIMENSIONS

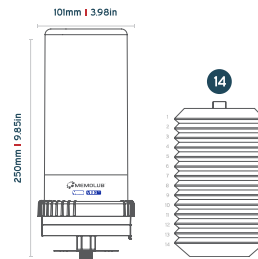
120CC
Grease & Oil
 120cc | 4oz



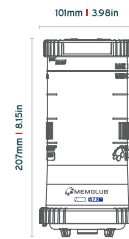
240CC
Grease & Oil
 240cc | 8.1oz



480CC
Grease & Oil
 480cc | 16.2oz



OIL R-500
Refillable Oil Reservoir
 500cc | 16.9oz



PRECAUTIONS

- Do not open the housing: loaded spring
- Hold MEMOLUB® down during manual checks
- Leq <70 dB
- Use MEMOLUB® only for greasing machinery
- Use only lubricant cartridges and batteries recommended by the manufacturer



SETTINGS & FEEDBACK

FREQUENCY SETTINGS

| 2ND GENERATION (SERIAL NUMBERS VIS-XX-XXXX & VPR-XX-XXXX) | | | | | |
|---|--------------------|--------------------|---|---|---|
| WHEEL POSITION | DOSING PERIODICITY | MAX. DAILY OUTPUT* | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC) | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC) | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC) |
| 0** | External (PLC) | | | | |
| 1 | 48 hours | 0.3 cc/day | 12 months | 24 months*** | 48 months*** |
| 2 | 24 hours | 0.6 cc/day | 6 months | 12 months | 24 months*** |
| 3 | 16 hours | 0.9 cc/day | 4 months | 8 months | 16 months*** |
| 4 | 12 hours | 1.2 cc/day | 3 months | 6 months | 12 months |
| 5 | 8 hours | 1.8 cc/day | 2 months | 4 months | 8 months |
| 6 | 6 hours | 2.4 cc/day | 1.5 month | 3 months | 6 months |
| 7 | 4 hour | 3.6 cc/day | 1 month | 2 months | 4 months |
| 8 | 2 hour | 7.2 cc/day | 0.5 month | 1 month | 2 months |
| 9 | 1 hour | 14.4 cc/day | 0.25 month | 0.5 month | 1 month |

*Maximum daily output without stroke washers.

** Only available on Memolub Visio Pro models.

*** Please consider lubricant expiry date for long cartridge lifetimes.

| 1ST GENERATION (All other serial numbers) | | | | | |
|---|--------------------|--------------------|---|---|---|
| WHEEL POSITION | DOSING PERIODICITY | MAX. DAILY OUTPUT* | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC) | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC) | REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC) |
| 0** | External (PLC) | | | | |
| 1 | 24 hours | 0.6 cc/day | 6 months | 12 months | 24 months*** |
| 2 | 16 hours | 0.9 cc/day | 4 months | 8 months | 16 months*** |
| 3 | 12 hours | 1.2 cc/day | 3 months | 6 months | 12 months |
| 4 | 8 hours | 1.8 cc/day | 2 months | 4 months | 8 months |
| 5 | 4 hours | 3.6 cc/day | 1 month | 2 months | 4 months |
| 6 | 2 hours | 7.2 cc/day | 0,5 month | 1 month | 2 months |
| 7 | 1 hour | 14.4 cc/day | 0,25 month | 0,5 month | 1 month |
| 8 | 1/2 hour | 28.8 cc/day | 4 days | 0,25 month | 0,5 month |
| 9 | 1/4 hour | 57.6 cc/day | 2 days | 4 days | 0,25 month |

* Maximum daily output without stroke washers.

** Only available on Memolub Visio EP models

*** Please consider lubricant expiry date for long cartridge lifetimes.

VOLUME SETTINGS [CM³/DAY]

2ND GENERATION (SERIAL NUMBERS VIS-XX-XXXX & VPR-XX-XXXX)

By using stroke washers you can adjust the amount of lubricant discharged per pumping cycle.

| NUMBER OF STROKE WASHERS | WHEEL POSITION | | | | | | | | | |
|--------------------------|----------------|------|------|------|------|------|------|------|------|------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| - | External (PLC) | 0.3 | 0.6 | 0.9 | 1.2 | 1.8 | 2.4 | 3.6 | 7.2 | 14.4 |
| C | | 0.28 | 0.56 | 0.84 | 1.12 | 1.7 | 2.2 | 3.4 | 6.7 | 13.5 |
| ○ + C | | 0.26 | 0.52 | 0.79 | 1.04 | 1.62 | 2.1 | 3.15 | 6.3 | 12.6 |
| 2 ○ + C | | 0.24 | 0.49 | 0.73 | 0.98 | 1.46 | 1.95 | 2.92 | 5.85 | 11.7 |
| 3 ○ + C | | 0.22 | 0.45 | 0.67 | 0.9 | 1.35 | 1.8 | 2.7 | 5.4 | 10.8 |
| 4 ○ + C | | 0.2 | 0.41 | 0.62 | 0.82 | 1.23 | 1.65 | 2.47 | 4.95 | 9.9 |
| 5 ○ + C | | 0.18 | 0.37 | 0.55 | 0.74 | 1.1 | 1.5 | 2.2 | 4.5 | 9 |
| 6 ○ + C | | 0.17 | 0.34 | 0.5 | 0.68 | 1 | 1.35 | 2.02 | 4.05 | 8.1 |

*The circlip must always be added on top of the washers.

💡 The circlip must always be added on top of the washers.

1ST GENERATION (All other serial numbers)




By using stroke washers you can adjust the amount of lubricant discharged per pumping cycle.

| NUMBER OF STROKE WASHERS | WHEEL POSITION | | | | | | | | | |
|--------------------------|----------------|------|------|------|------|------|------|------|------|------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| - | N/A | 0.6 | 0.9 | 1.2 | 1.8 | 3.6 | 7.2 | 14.4 | 28.8 | 57.6 |
| C | | 0.56 | 0.84 | 1.12 | 1.69 | 3.4 | 6.7 | 13.5 | 27 | 54 |
| ○ + C | | 0.52 | 0.79 | 1.04 | 1.58 | 3.15 | 6.3 | 12.6 | 25.2 | 50.4 |
| 2 ○ + C | | 0.49 | 0.73 | 0.98 | 1.46 | 2.92 | 5.85 | 11.7 | 23.4 | 46.8 |
| 3 ○ + C | | 0.45 | 0.67 | 0.9 | 1.35 | 2.7 | 5.4 | 10.8 | 21.6 | 43.2 |
| 4 ○ + C | | 0.41 | 0.62 | 0.82 | 1.24 | 2.47 | 4.95 | 9.9 | 19.8 | 39.6 |
| 5 ○ + C | | 0.37 | 0.56 | 0.74 | 1.1 | 2.2 | 4.5 | 9 | 18 | 36 |
| 6 ○ + C | | 0.34 | 0.51 | 0.68 | 1 | 2.02 | 4.05 | 8.1 | 16.2 | 32.4 |





VISUAL FEEDBACK

2ND GENERATION (SERIAL NUMBERS VIS-XX-XXXX & VPR-XX-XXXX)

| COLOR | STATUS |
|-------|--------|
|-------|--------|

| COLOR | STATUS |
|---|---|
|  | The testrun has been activated through pushbutton . / The pumping cycle ran successfully. |
|  | Battery low / Lubricant cartridge empty. |
|  | The gearbox/motor is damaged or broken. / The pipe may be clogged. |

1ST GENERATION (All other serial numbers)

| COLOR | STATUS |
|---|--|
|  | The gearbox motor is damaged or broken. The tube might be clogged. |
|  | The battery is low. |
|  | Abnormal temperature is detected or there is an issue with the pump. |
|  | The testrun activation via the touchpad was successful. |

REMOTE INSTALLATION DISTANCES

| TYPE OF INSTALLATION | MAXIMUM DISTANCE |
|---------------------------|------------------|
| Single point | 8m |
| Multipoint with 2 outlets | 6m |
| Multipoint with 4 outlets | |

LEARNING PERIOD

The Memolub Visio and Memolub Visio Pro are equipped with advanced machine learning capabilities, allowing it to account for environmental conditions when calculating its status. A learning period of 20 cycles is required, during which the lubricator must remain in the same environment without any changes to its position, fastening, support, or grease type. If any of these parameters are altered, the learning process can be reset by pressing and holding the pushbutton for more than 5 seconds.

REMOTE CONTROL

INTERMITTENT MODE

| MEMOLUB VISIO PRO | |
|---|--|
| DESCRIPTION | SIGNAL |
| INPUT SIGNAL (FROM CUSTOMER PLC/TIMER) | <div>5s < t_i < 17s, V_i = 24Vdc</div> |
| OUTPUT SIGNAL "BUSY" (TO CUSTOMER PLC) | <div>17s</div> |
| PUMP OUTLET (TO LUBRICATION) | <div>P_{max} = 25bars, V = 0.6cc</div> |
| OUTPUT SIGNAL "DEFAULT" (TO CUSTOMER PLC) | <div>10s 10s 10s</div> |

CONTINUOUS MODE

| MEMOLUB VISIO PRO | |
|---|---|
| DESCRIPTION | SIGNAL |
| INPUT SIGNAL (FROM CUSTOMER PLC/TIMER) | <div>V_i = 24Vac/dc</div> |
| OUTPUT SIGNAL "BUSY" (TO CUSTOMER PLC) | <div>17s</div> |
| PUMP OUTLET (TO LUBRICATION) | <div>P_{max} = 25bars, V=0.6cc</div> |
| OUTPUT SIGNAL "DEFAULT" (TO CUSTOMER PLC) | <div>10s 10s 10s 5s 12s 10s 10s 10s 10s</div> |

CABLE

MEMOLUB VISIO PRO

The Memolub Visio Pro is delivered with a 6 DIN x 0.25 cable with a female connector.

| DESCRIPTION | |
|---------------------------------------|--|
| 1. STATUS OUTPUT - (TO PLC IN) |  |
| 2. STATUS OUTPUT + (TO PLC VCC) | |
| 3. POWER SUPPLY + (12/24VAC/DC) | |
| 4. EXTERNAL INPUT IN + (FROM PLC OUT) | |
| 5. EXTERNAL INPUT IN - (FROM PLC GND) | |
| 6. POWER SUPPLY - (0VDC) | |

SPECIFICATIONS

ELECTRIC SPECIFICATIONS

| | MEMOLUB® VISIO | MEMOLUB® VISIO PRO |
|--------------------------|------------------------|--------------------|
| Power Source | Battery | External |
| Voltage | 4.5V DC (3x1.5V DC AA) | 24V |
| PLC Connection | N/A | YES |
| Short circuit protection | Yes | |
| Stroke duration | 8 seconds | |
| Minimum stroke interval | 15 minutes | |

INSTALLATION GUIDELINES

DIRECT INSTALLATION MEMOLUB VISIO + MEMOLUB VISIO PRO (2nd GENERATION)

DIRECT INSTALLATION MEMOLUB VISIO + MEMOLUB VISIO EP (1st GENERATION)

REMOTE INSTALLATION MEMOLUB VISIO + MEMOLUB VISIO EP (1st GENERATION)

MULTIPOINT INSTALLATION MEMOLUB VISIO + MEMOLUB VISIO EP (1st GENERATION)

CHECK FUNCTION

2ND GENERATION

1ST GENERATION

REFILL GUIDELINES

CARTRIDGES

FAQ

Nothing happens after screwing the module on the base.

- The pin of the module is possibly not proper aligned with the notch of the base. Unscrew the module from the base, align correctly and screw it again.
- VISIO Module is not tightly screwed to VISIO Base. Turn it clockwise until stop.
- There is possibly no battery inside the module. Insert 3x 1,5 VDC AA batteries to resolve the issue.
- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.

The touchpad does not work after initialisation was completed successfully.

Your MEMOLUB® VISIO possibly initialized in an unstable environment. Unscrew the base from the module and screw again to reset the system. Wait until one expulsion is performed and you observe green lights, indicating the initialization is complete.

The red lights are blinking periodically.

- There is possibly a too high back pressure present in the system. Inspect your downstream piping to remove any clogging or jam. Activate the touchpad and check for at least 2 expulsions if the systems operate fine.
- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.
- The motor is broken. Replacement of the module is necessary.

The yellow lights are blinking periodically.

- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.
- The batteries are empty. Replacement of the battery pack is necessary.

The blue lights are blinking periodically.

- The cartridge is possibly out of grease. Replacement of the cartridge is necessary.
- The system is not primed. Prime the system using a manual grease pump.
- The system is operating out of its minimum and maximum temperature range. Please make sure the system is operating within the recommended temperature range.

REGULATORY INFORMATION

| SYMBOL | DESCRIPTION |
|---|--|
|  | This product is compliant with Directives 2006/42/EC (Machinery). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/Visio/DoC-CE-VISIO-HPS-2023.pdf]. |
|  | This product is compliant with UK regulations 2008 No. 1597 (Supply of Machinery). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/Visio/DoC-UKCA-VISIO-HPS-2023.pdf]. |
|  | This product is compliant with customs union technical regulation TR CU 010/2011 (safety of machines and equipment). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/Visio/DoC-EAC-VISIO-HPS-2023.pdf]. |
|  | The WEEE symbol is attached to the product in compliance with the EU directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). It is intended to deter the improper disposal of this product and to promote reuse and recycling. |
|  | The packaging material can be recycled. Please arrange for the environmental appropriate disposal of the packaging. |