

## **Endpoint LF V3.0 Specification**







The GreaseBoss Endpoint is an IoT flow meter designed for **high-accuracy monitoring** of small grease flow rates in industrial machinery, transmitting data to a nearby GreaseBoss Gateway, which is then collated and **reported to end users via the secure GreaseBoss Cloud**.





## **General Specification**

| Ports                     | 1  |
|---------------------------|--|
| Inlet Threads             | 1⁄4" BSPP Female   |
| Flow Meter Resolution     | 0.18cc   |
| Flow Meter Accuracy       | ± 0.5%   |
| Flow Meter Type           | Oval gear positive displacement                          |
| Flow Direction            | Bidirectional, no flow direction detection               |
| Materials                 | Aluminum, PA11, ABS                                      |
| Dimensions                | 58 x 58.7 x 53.4 mm                                      |
| Wireless Communications   | Bluetooth Low Energy                                     |
| Wireless Range            | 50 – 250m depending on environment and gateway position  |
| Battery Life              | 1 - 5 years depending on data resolution and sample rate |
| Battery Replacement       | 1x CR2477  |
| Operating Pressure        | 7,500Psi   |
| Mass                      | 0.22kg   |
| Operating Temperature     | -40°C to 85°C  |
| Mounting Options          | 4x M4 Bolts, Bracket Mount, Magnet Mount                 |
| Ingress Protection Rating | Designed to IP68, final product certification pending    |
| Regulatory Compliance     | Contains pre-certified components to CE and FCC.         |
|                           | Final product certification pending                      |

## **Device Operation**

- The Endpoint sends regular device health information to GreaseBoss Cloud for device performance analytics
- The configurable settings available:
  - Period of grease volume accumulation (ie. granularity of data)
  - Sync interval
  - Transmit power for increased range
- The LED on the Endpoint can be used to:
  - · Indicate an error to technicians in the field
  - · Indicate connectivity status to the nearby gateway or smart device
- The button on the Endpoint can be used to:
  - Signal that a new grease cartridge has been installed, allowing the GreaseBoss Cloud to manage canister volumes
  - · Run a connectivity test to nearby gateways