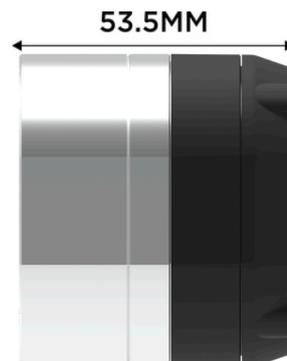


# Endpoint LF V3.0 Specification



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

<b>Ports</b>	1
<b>Inlet Threads</b>	¼" BSPP Female
<b>Flow Meter Resolution</b>	0.18cc
<b>Flow Meter Accuracy</b>	± 0.5%
<b>Flow Meter Type</b>	Oval gear positive displacement
<b>Flow Direction</b>	Bidirectional, no flow direction detection
<b>Materials</b>	Aluminum, PA11, ABS
<b>Dimensions</b>	58 x 58.7 x 53.4 mm
<b>Wireless Communications</b>	Bluetooth Low Energy
<b>Wireless Range</b>	50 – 250m depending on environment and gateway position
<b>Battery Life</b>	1 - 5 years depending on data resolution and sample rate
<b>Battery Replacement</b>	1x CR2477
<b>Operating Pressure</b>	7,500Psi
<b>Mass</b>	0.22kg
<b>Operating Temperature</b>	-40°C to 85°C
<b>Mounting Options</b>	4x M4 Bolts, Bracket Mount, Magnet Mount
<b>Ingress Protection Rating</b>	Designed to IP68, final product certification pending
<b>Regulatory Compliance</b>	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