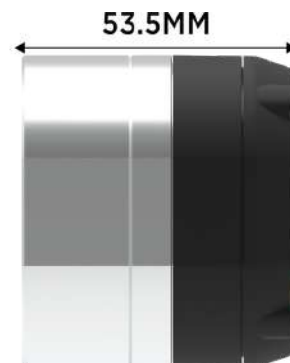


Endpoint LF V3.0 Specification



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	¼" 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