

# Head Unit Specification



The Head Unit retrofits to any grease gun and empowers greasers with the lubrication schedule data in their hands as they are greasing. It guides greasers through the lube route and provides intuitive instructions on how to grease each point. Greasing data is captured and synced to the GreaseBoss Cloud, via the Gateway, for analysis.

## General Specification

<b>Inlet Fitting</b>	7/16" JIC Male (Grease gun adaptor fittings available)
<b>Flow Meter Type</b>	Oval gear positive displacement
<b>Flow Meter Resolution</b>	≈0.6cc
<b>Flow Meter Accuracy</b>	± 0.5%
<b>Materials</b>	Aluminium, Steel, PA11, Acetal
<b>Dimensions</b>	1180 x 80 x 80mm
<b>Hose Length</b>	700mm
<b>Wireless Communications</b>	Bluetooth Low Energy
<b>Battery Specifications</b>	Rechargeable 6 Ah LiPo. 24-hour continuous operation, 1 month standby.
<b>Charger Supply</b>	12 VDC, max 3A
<b>Recommended Operating Pressure</b>	7,500Psi
<b>Max Rated Pressure</b>	Up to 10,000Psi
<b>Max Flow Rate</b>	750 cc/min (NLGI2 @ 25°C)
<b>Mass</b>	2.5 kg
<b>Operating Temperature</b>	-10°C to 50°C
<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 Head Unit replaces the hose on any grease gun and contains a flow meter, computer, screen, and RFID antenna
- It regularly syncs with the cloud via a Gateway, ensuring it always has the most recent lubrication schedule
- When a lube technician picks up the grease gun, the Head Unit prompts them through the pre-determined grease route with clear, intuitive instructions
- The Head Unit checks that the correct grease type is being used and determines if the grease point is due for greasing and the required volume
- Intuitive on-screen instructions and coloured LEDs in the nozzle assist technicians in performing the greasing as per the schedule
- Compliance reports generated in the GreaseBoss Cloud provide visibility over planned vs actual greasing and highlight areas for improvement
- The Head Unit digitally tracks all manual greasing events and maintains a historical greasing record for warranty claims