

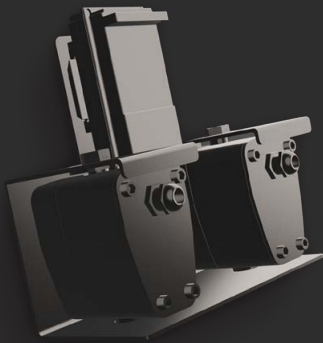


GREASE ALERTER

SMART LUBRICATION MONITORING

Overview

The lack of lubrication is one of the main contributors to bearing failure when it comes to rotation-based mechanical systems. The resulting equipment failure causes unplanned outages and production loss, further leading to financial implications. Optimal lubrication health is necessary and leads toward reliable operations and improved maintenance. Grease Alerter provides the solution to reduce your risk.



Grease Alerter offers:

- Ability to log and track grease dispensed to individual bearings
- Reports the volume of grease applied (at configurable intervals) to individual bearings
- Enables corrective action initiation when behaviour is deviating from set target thresholds.

Grease Alerter is an IoT device that harnesses the latest technology for data connectivity with your preferred cloud solution, with self-managed applications or SaaS (Software as a Service).

Product Highlights

Grease Alerter's goal is to bring the features and solutions of different lubrication monitoring components into one convenient, compact and lightweight solution that is highly configurable, simple, and designed to reduce the risk and loss that can come with bearing failure. Grease Alerter works with any rotating device that requires periodic grease application, whether by manual or automatic means. Typically, fans and pumps are the devices that the product is commonly used for.



INFORMATIVE

Reporting of grease volume delivered at intervals as determined by the user requirements and risk prevention strategy.



FAULT DETECTION

Is able to detect occurrences of mechanical failure in bearing, deterioration of operation, and if supply of grease is compromised.*



SMART DESIGN

Lightweight, smart and practical design that can attach easily and securely to a variety of beams, frames, brackets, and other surfaces.



OPTIONS

Several variants/configurations to suit needs. Unit is also available as a standalone product or include in an end-to-end solution.



AVOID CATASTROPHE

Supports maintenance protocols and helps avoid production loss and other significant inconveniences caused by bearing failure.



LONG LIFE

Battery operated electronics, with battery lifetime of up to 8 years (based on a communication/wake frequency of 24 hours).

* Feature depends of selected variation and configuration

Technical Features

WIRELESS OPERATION

The radio control unit utilises LoRaWAN, a low-power, wide area networking protocol built on top of the LoRa radio modulation technique. Unit to gateway transmission range is up to 15km, depending on environmental density and line of sight.

TEMPERATURE SWITCH

Able to detect occurrences of mechanical failure in bearing, deterioration of operation, and if supply of grease is compromised.*

PIPE DISCONNECT DETECTION

Triggers alert when dispensing pipe to bearing disconnects, indicating a pipe disconnect or similar interference.

WARRANTY

The Grease Alerter unit includes a 6 Month Manufacturer Warranty.

SOLID MOUNTING

High-strength mounting magnets, allowing optimal positioning of unit between grease supply and bearing.

COMPACT AND LIGHTWEIGHT

Standard unit measures at 163mm (W) x 155mm (H) x 80mm (D), and weighs 1.6 kg (3.5 lb)

ENVIRONMENTALLY DURABLE

Grease Alerter is designed for most industrial conditions, whether indoor or outdoor, but is not rated for 'hazardous areas'. Contact Auspac Distribution for more information.

OPERATING TEMPERATURE

Electronic Radio Unit: Rated for -40° to 80° Celsius
Grease Pulser Unit: Rated for -20° to 70° Celsius

LoRaWAN class	A
Communication Period	5, 15, 30 minutes, 1, 6, 12 or 24 Hours
Antenna	Internal
Radio Coverage within LOS (line of site)	up to 15 km
Radio Coverage in restrained urban conditions	up to 5 km
Battery life	up to 8 years (when set to 24 hr communication period frequency)
Unit Dimensions	163 mm (width), 155 mm (height), 80 mm (depth)
Weight	approx. 1.6 kgs / 3.5 lbs (standard unit) Unit includes: Pulser units: 0.5 kgs / 1.1 lbs (per unit) Radio Unit: 60g / 2.11 oz Bracket: 150g / 5.29 oz Other: 0.39 kgs / 0.86 lbs

*Temperature switch is an optional feature

