Ultra-Lube Technical Data Sheet

Purpose:

The Ultra-Lube allows Lubrication Technicians to listen to the quality of sound of a bearing while lubricating. The ability to listen to the bearing as lubrication is being injected prevents over and under-lubrication, because the user is able to hear bearing sound change when enough lubrication has entered cavity.

Benefits:

- **Proactively Lubricates** – The Ultra-Lube allows Lubrication Technicians to proactively lubricate bearings using a proven method of lubrication. The ability to determine the exact requirements of a bearing at proper intervals extends bearing life and customizes outdated time/amount based lubrication schedules.
- **Identifies Bad Bearings** – The Ultra-Lube's sensitivity can detect sounds generated by problems associated with bearing failure.
- **Saves Time** – Lubrication Technician will first listen to a bearing. If lubrication is not needed, then no further time is spent there and on to the next bearing in the lubrication schedule. Also, a Lubrication Technician, upon hearing a possibly damaged bearing, may now report it, saving time for higher echelon maintenance.
- **Safe To Use** - The Ultra-Lube has many safety features, including special connectors that easily disconnect should any part become entangled in rotating equipment. Electronics are sealed in epoxy and enclosed in a NEMA 4 rated, ABS plastic enclosure. All electrical cords are shielded and shrink-wrapped where connections have been made. Headsets have a noise reduction rating of 23 decibels.
- **Simple To Use** – No special training is necessary to operate the Ultra-Lube.
- **Eliminates Grease Gun Calibration** – The Ultra-Lube customizes the grease lubrication requirements of bearings, therefore eliminating the necessity of having every grease gun calibrated for what each pump or "shot" yields. The Ultra-Lube can also hear if grease has reached bearing.
- **Environmentally Conscious** – Because the Ultra-Lube allows you to properly lubricate, the risk of excess lubricant entering ground water or wastewater run-off treatment facilities is greatly reduced. This also saves money on chemicals used to treat wastewater.

Technical Data:

Frequency Range	:20Hz – 20kHz, 4.6kHz median peak
Operating Temperature	:0-45°C (32-113°F)
Output Volume	:adjustable
Headset	:8 Ohm, attenuating NRR – 23dbl
Power Supply	:9V Alkaline industrial battery
Output Power	:.7V (point 7 volts)
Battery Life	:approx. 20-22 hours; on/off indicator light
Electronics Box	:NEMA 4, ABS plastic, hermetically sealed
Dimensions	:9.842 x 6.35 x 3.81 cm (3.875 x 2.5 x 1.5 in)
Weight (Headset)	:360 g (12.5 oz)
Weight (Electronics Box)	:275 g (9.5 oz)
Weight (Probe Tip Sensor)	:190 g (6.5 oz)