ULTRAPROBE® 401
Digital Grease Caddy Pro
Lubrication Management Made Easy!

Manage your lubrication program with the Ultraprobe® 401 Digital Grease Caddy Pro and reduce bearing failure.

The Ultraprobe® 401 Digital Grease Caddy Pro translates ultrasound into the audible range enabling users to hear and recognize bearing sounds while simultaneously viewing decibel levels on a display panel. Users can monitor the amount of lubricant being applied and know when to stop; preventing over-lubrication.

**The Ultraprobe® 401
Digital Grease Caddy Pro:**

- Know when to stop adding lubricant
- Measure the amount of lubricant added
- Trend bearing lubrication data
- Gain insights as to reasons for bearing failures

This amazing digital instrument provides seamless integration of bearing lubrication data into UE Systems renowned Ultratrend Data Management System so users can monitor bearing condition and lubrication history.

Easily attaches to most grease guns

LED display and sensitivity dial

Lubrication data can be stored on the SD card

ue
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So advanced, it's simple

Optional carry case

Built-in spotlight

Holster for UP401

Headset for hardhat use

Additional useful features:

- Two Display Panels (dB & dB with intensity bar graph indicator)
- Customized settings (with 18 setup menus)
- Upload/download route data
- Built-in front-end lamp to illuminate dark areas
- Swivel base adjusts to odd angles
- Heavy duty headphones for high noise environments
- Magnetically mounted transducer with docking station (allows lubricating and testing in most environments)
- The belt holster makes it even easier to carry

Most premature bearing failure incidents are lubrication related. An ultrasound assisted lubrication program prevents bearing over and under lubrication condition.

Here's how to prevent bearing failure with Ultrasound Assisted Lubrication:

There are two components to a successful ultrasound assisted lubrication program: a digital inspection instrument such as the Ultraprobe 9000, 10,000 or 15,000 and the 401 Digital Grease Caddy Pro.

As lubrication levels in a bearing fall, friction increases producing a rise in ultrasound levels. Bearings with increases over 8 dB with no change in sound quality are identified as needing lubrication. A lube route is created and baseline data is uploaded to the Digital Grease Caddy Pro.

When lubricant is applied users will know when to stop adding lubricant by observing a drop of decibel levels to the baseline level. The lubrication data can then be stored and added to the bearing's history file.

Ultraprobe® 401 Digital Grease Caddy Pro Specifications

Housing	Attaches directly to the grease gun, gives visual and audible indication for prober lubrication
Construction	PC + ABS Plastic
Dimensions	17.8 x 8.1 x 7.6 cm (7" x 3.2" x 3.0")
Operating Temperature	0°C to 50°C (32°F to 122°F)
Humidity Circuity	Solid State Analog and SMD Digital Circuitry with temperature compensation and true RMS conversion
Transducer	Magnetically Mounted Piezoelectric transducer
Frequency Response	Peak response: centered around 30kHz Frequency range 20kHz – 100kHz
Indicator	dB, battery status and 16 segment bar graph
Memory	400 Storage locations
Outputs	Calibrated heterodyned output, decibel (dB)
Response Time	<10 ms
Display	128 x 64 LCD with LED backlight
Power	Lithium Polymer rechargeable
Headset	Deluxe noise isolation headset for hard hat use over 23 dB of noise attenuation meets or exceeds ANSI Specifications and OSHA standards
Attachment	Universal: fits most commercially used cartridge grease guns
Weight	0.57 kg (1.25 lbs.)
Warranty	5-year parts/labor standard

The Digital Grease Caddy Pro is easily attached to most standard grease guns, or worn in a belt holster.

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