

# 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.**

*\*Measure, data log and trend the amount of lubricant applied*

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.



*Easily attaches to most grease guns.*

## **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 Ultra-trend Data Management System so users can monitor bearing condition and lubrication history.



*Swivel mount adapts to all test angles.*



*LED flash light illuminates dark areas.*

**ue**  
SYSTEMS INC  
*The ultrasound approach*



# Ultraprobe® 401 Digital Grease Caddy Pro

- 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]
- 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 conditions.

## 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.



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## Ultraprobe® 401 Digital Grease Caddy Pro

|                               |   |
|-------------------------------|---|
| <b>Housing:</b>               | Attaches directly to the grease gun, gives visual and audible indication for proper lubrication   |
| <b>Construction:</b>          | PC + ABS Plastic  |
| <b>Dimensions:</b>            | 7.0"x3.2"x3.0" ::: 17.8x8.1x7.6 cm (LWH)  |
| <b>Circuitry:</b>             | Solid State Analog and SMD Digital Circuitry with temperature compensation and true RMS conversion  |
| <b>Memory:</b>                | 400 Storage locations   |
| <b>Outputs:</b>               | Calibrated heterodyned output, decibel (dB)   |
| <b>Transducer:</b>            | Magnetically Mounted Piezoelectric transducer   |
| <b>Headset:</b>               | Deluxe noise isolating headset for hard hat use<br>Over 23 dB of noise attenuation<br>Meets or exceeds ANSI Specifications and OSHA standards |
| <b>Frequency Response:</b>    | Peak response: centered around 30kHz<br>Frequency Range 20kHz-100kHz (adjustable in 1 kHz increments)   |
| <b>Response Time:</b>         | <10 ms  |
| <b>Display:</b>               | 128x64 LCD with LED backlight   |
| <b>Operating Temperature:</b> | 32°F to 122°F ::: 0° to 50° C   |
| <b>Indicators:</b>            | dB, Battery Status and 16 Segment Bar Graph   |
| <b>Attachment:</b>            | Universal: fits most commercially used cartridge grease guns  |
| <b>Power:</b>                 | Lithium Polymer rechargeable  |
| <b>Weight:</b>                | 1.25 Lbs. :: .57 kg   |
| <b>Warranty:</b>              | 5-year parts/labor standard   |

Covered by one or more of the following patents: 0151115,0303776,0315199,1206586, 1297576,1881263,2562758,2689339, 4416145, 4823600,5955670,6122966, 6339961, 6341518, 6415645, 6655214, 6707762, 6804992

UE Systems is committed to continual product improvement: therefore specifications are subject to change without notice. Warranty details are available by request.

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