



We make it **possible**

Introducing the Hutchinson Instrumented Mount

A REVOLUTIONARY SELF-POWERED, LONG-LIFESPAN
PASSIVE DATA LOGGING SYSTEM

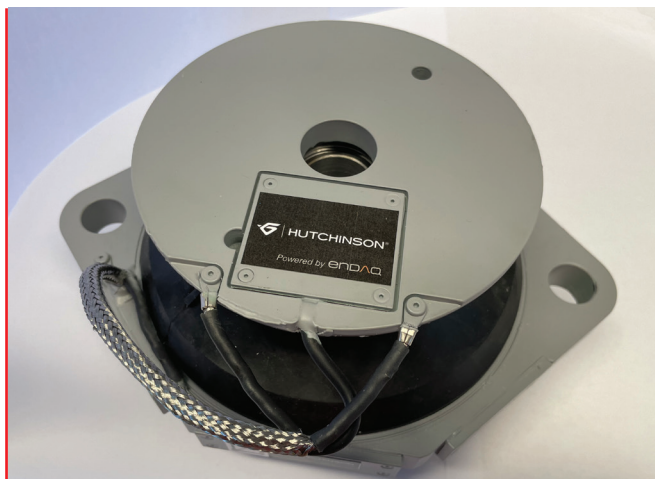
MEET THE INSTRUMENTED MOUNT

Hutchinson's instrumented mount is an elastomeric isolator mount featuring a built-in, **self-powered** passive data logging system with up to a five-year active lifespan. It measures and stores vibration data and temperature simultaneously from the base and equipment sides of the mount.

POTENTIAL APPLICATIONS

Who can benefit from the instrumented mount? Anyone with a need to monitor and evaluate environmental conditions and their impact on mount performance:

- First-time use of new equipment
- Identification and evaluation of premature failures or creep
- Robust equipment monitoring
- Product testing for manufacturers



IN THE NAVY

The instrumented mount is based on the standard Navy 6E900 mount (Hutchinson part number 31114-3) in use by the U.S. Navy for decades. It can be substituted in place of an existing Navy mount without affecting form, fit, or function of the standard mounting system.



CUTTING EDGE

Implementing proprietary data acquisition technology developed by Hutchinson, the instrumented mount contains firmware that can switch between multiple modes for various applications, including a 5-year mode for long-term monitoring.

DATA ACQUISITION AND ANALYSIS

- Acquires input and output vibration levels (in G's) and temperature data along with date and time stamps
- Data recordings taken:
 - o At periodic intervals
 - o When customizable preset triggering levels are exceeded
 - o On demand
- 6 channels sampled simultaneously at 4 kHz
- Supporting analytical tool allows ease of data review (Time/Frequency Analysis)
- Time Domain data is easily exported to MATLAB for more thorough data analysis

BUILT TO LAST

This mount was designed to satisfy the requirements of the U.S. Navy and will remain reliable in harsh maritime environments. It's also designed to conform to MIL-STD-17185 and MIL-PRF-32407A.

The isolator and electronics package has been developed to conform to IP67 requirements and will remain fully functional when submerged in up to one meter of water. In addition, it is resistant to dust and airborne debris. The elastomeric mount also remains a fully functional and effective isolator beyond the lifespan of the data logging system.



Contact us and
we'll be happy to
discuss the ways
the new Hutchinson
Instrumented Mount
can be put to work
for your organization.

1-(800)-227-7962 • Hutchinsonai.com

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ISO 14001:2015 Certified
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Cage Code: 81860

