

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

December 20, 2021

Engine Data Monitor

Factual Report
By Joshua Lindberg

1. EVENT SUMMARY

Location: Longmont, Colorado
Date: July 10, 2021
Aircraft: Cessna 421C
Registration: N66NC
Operator: Private
NTSB Number: CEN21LA315

2. DETAILS OF INVESTIGATION

Preliminary report information:

On July 10, 2021, about 0920 mountain daylight time, a Cessna 412C airplane, N66NC, was substantially damaged when it was involved in an accident near Longmont, Colorado. The pilot and three passengers received minor injuries. The airplane was operated as a Title 14 Code of Federal Regulations Part 91 personal flight.

After the airplane lifted off from the runway, the pilot didn't feel that the engine(s) were making full power. The airplane settled back onto the runway, then exited off the departure end of the runway. The airplane came to rest upright, and a small post-crash fire developed. Substantial damage was noted to the airplane's fuselage and wings. The following device was retrieved from the airplane and downloaded:

Device Manufacturer/Model: J.P. Instruments, Inc. EDM 760
Serial Number: 2917

2.1. Data Recovery

The device was undamaged and sent to the specialist for download. The device was downloaded normally using the manufacturer's software. Figure 1 and 2 show the front of the device and the data tag.



Figure 1 – Front of the device

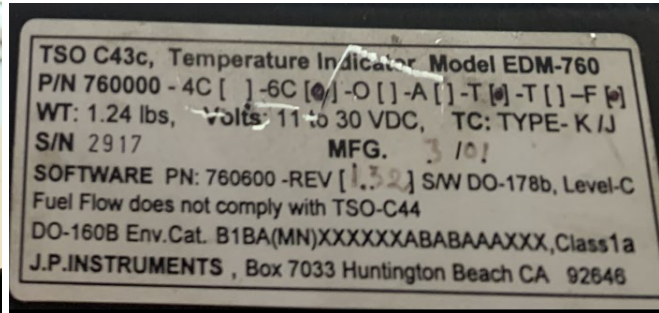


Figure 2 – Data tag

2.2. Data Description

The device was powered on and the internal time was compared to the current time during download for accurate time comparison. The unit was about 7 hours and 55 minutes ahead of mountain standard time.

The data extracted included one previous session from July 5, 2021 and one session from July 10, 2021. The session on July 10 was the accident flight.

2.3. Tabular Data

The accident flight tabular data are included as Attachment 1 in electronic comma-delimited (.CSV) format. The tabular data displays the uncorrected time.