

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

February 10, 2022

Engine Data Monitor

Factual Report
By Elliott Simpson

1. EVENT SUMMARY

Location: Del Mar, California
Date: August 24, 2021
Aircraft: Piper PA-32-300
Registration: N2843T
NTSB Number: WPR21LA326

2. DETAILS OF INVESTIGATION

The following device was downloaded:

Manufacturer/Part: JP Instruments JPI 700 (EGT-701)
Serial Number: 7803

2.1. Data Recovery

The device was undamaged and was downloaded normally using the manufacturer's EZTrends software. Figures 1 and 2 show the side and front face of the device.



Figure 1. Data plate panel



Figure 2. Front panel

2.2. Data Description

The data extracted included 26 logs from March 13, 2021, through August 24, 2021, recorded at a sample rate of one capture every 6 seconds. The unit's internal date and time indicated it was recording with a + 9 hours and 27 minutes offset. The following data includes that offset and is referenced in Pacific daylight time.

The data appeared to include cylinder head, exhaust gas and oil temperatures, along with fuel flow and battery voltage.

The last flight was recorded starting 10:43:28 and ending 11:01:28 on August 24, 2021. In addition, the previous flight on July 2, 2021, starting 08:41:02 and ending 10:07:32, was determined to be of interest and is included in this report.

2.3. TABULAR DATA

Tabular data are included as Attachment 1 and 2. These attachments are provided in electronic comma-delimited (.CSV) format.