

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

January 6, 2023

Electronic Devices

Specialist's Factual Report by Gerald Kawamoto

1. EVENT

Location: Greenville, Ohio
Date: June 7, 2022
Aircraft: Enstrom F28F
Registration: N600TA
Operator: Private
NTSB Number: ERA22FA262

2. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following devices:

Device 1:	DynaNav DynaFlight 3
Device 1 Serial Number:	1200
Device 2:	Electronics International TC-1P
Device 2 Serial Number:	159678

2.1. DynaNav DynaFlight 3 Device Description

The DynaNav DynaFlight 3 system provides precise guidance, navigation, and data recording for aerial applications such as agriculture, forestry, seismic, photography, and search and rescue. Data is recorded to non-volatile memory and can be exported via USB.¹

2.1.1. DynaNav DynaFlight 3 Data Recovery

The device was in good condition upon arrival at the Vehicle Recorder Division, as shown in Figure 1, and data were extracted normally using laboratory tools.

¹ Non-volatile memory (NVM) is semiconductor memory that does not require external power for data retention.



Figure 1. DynaNav DynaFlight as received.

2.1.2. DynaNav DynaFlight 3 Data Description

Data were reviewed and the last recorded flight was on May 30, 2022, approximately one week prior to the accident event. No accident-related data were present on the device.

2.2. Electronics International TC-1P Device Description

The Electronics International TC-1P is a digital display that allows the operator to read absolute temperatures at a glance.

2.2.1. Electronics International TC-1P Data Recovery

The device was in good condition upon arrival at the Vehicle Recorder Division, as shown in Figure 2. The manufacturer indicated that the device does not record data, thus no data were recovered.

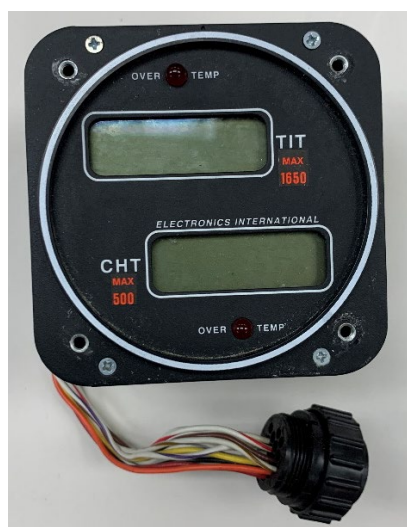


Figure 2. Electronics International TC-1P as received.