

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

May 11, 2018

Recording Devices

Specialist's Factual Report
By Ben Hsu

1. EVENT

Location: Sierraville, California
Date: April 17, 2017
Aircraft/ID: Socata TB-20 Trinidad / N28070
Operator: Private
NTSB Number: WPR17FA105

2. EVENT SUMMARY

On April 17, 2017, about 1600 Pacific daylight time, a Socata TB-20 Trinidad, N28070, departed Truckee-Tahoe Airport (TRK), Truckee, California. Radar track data was lost when the airplane was about 16 nautical miles north of TRK and is presumed to have crashed in remote mountainous terrain. The personal cross-country flight was being operated under the provisions of 14 *Code of Federal Regulations* Part 91. There was no record that the pilot had filed a flight plan.

3. DETAILS OF DEVICE INVESTIGATION

The NTSB's Vehicle Recorder Division received the following devices:

Device:	Insight GEM
Device Serial Number:	8810
Device:	Apple iPad Mini
Device Serial Number:	F4KKQ74HF19C
Device:	Apple iPad Mini
Device Serial Number:	F9FP617CFLML
Device:	Shadin Fuel Flow Indicator
Device Serial Number:	1356
Device:	Electronics International R-1
Device Serial Number:	144042

Figure 1 shows the Insight GEM device as it arrived in the laboratory. Only the display portion of the device was recovered from the accident. No data storage components were recovered.

Figure 2 shows the first iPad Mini as it arrived in the laboratory. Due to the damage, no data could be recovered from the device.

Figure 3 shows the second iPad Mini as it arrived in the laboratory. The device's internal circuit board was placed in a surrogate unit, power was applied, and startup was consistent with normal behavior. The device was protected with a passcode. The NTSB Investigator-In-Charge (IIC) provided possible passcodes for the device, however, none were successful. No data was recovered from the device.

Figure 4 shows the Shadin Fuel Flow Indicator as it arrived in the laboratory. Due to the damage, no data could be recovered from the device.

Figure 5 shows the Electronics International R-1 device as it arrived in the laboratory. Due to the damage, no data could be recovered from the device.

Figure 1. Insight GEM



Figure 2. iPad Mini



Figure 3. iPad Mini



Figure 4. Shadin Fuel Flow Indicator



Figure 5. Electronics International R-1

