

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division

Washington, D.C. 20594

February 26, 2018

Blood Glucose Meter

Specialist's Factual Report

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1. EVENT

Location: Cayce, South Carolina
Date: February 4, 2018
Aircraft: Locomotive
Registration: Amtk42
Operator: Amtrak
NTSB Number: RRD18MR003

On February 4, 2018, about 2:27 a.m. eastern standard time, southbound Amtrak train 91, operating on a track warrant, was diverted from the main track through a reversed hand-throw switch into a siding and collided head-on with a stationary CSX local freight train F777 03. The accident occurred on the CSX Columbia Subdivision in Cayce, South Carolina.

2. DETAILS OF INVESTIGATION

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

Device 1: **Onetouch Verio Flex Glucose Meter**
Device 1 Serial Number: **ZDJJM27S**

2.1. Onetouch Verio Flex Glucose Meter Device Description

The Onetouch Verio Flex glucose meter is an electronic medical device that determines the concentration of glucose in blood. It provides an electronic platform for the user to monitor glucose levels. This device can electronically store the last 500 user test results. The device can sync via Bluetooth to a mobile device application published by the manufacturer of the device to aid the user in monitoring their blood glucose levels. The device is pictured below in figure 1.



Figure 1. The Onetouch Verio Flex Glucose Meter as received.

2.1.1. Onetouch Verio Flex Glucose Meter Data Recovery

Upon arrival at the Vehicle Recorder Division, an exterior examination revealed the unit had not sustained any damage and information was extracted using the manufacturer's software normally, without difficulty.

2.1.2. Onetouch Verio Flex Glucose Meter Data Description

The data extracted ranged from July 5, 2017 at 11:51 A.M. EDT to February 3, 2018 at 9:23 P.M. EST. Data were reviewed with the NTSB Chief Medical Officer and data pertinent to the investigation were identified.

A csv file of the stored data was output from the application and provided to NTSB Chief Medical Officer.

Dates and times in the .CSV file appeared to be correlated with the time of the synced electronic device that received the data. That device had an accurate date and time setting at the time of data sync.