

<b>WinFrog Device Group:</b>	<b>Sounder</b>
<b>Device Name/Model:</b>	<b>Odom DT3FS</b>
<b>Device Manufacturer:</b>	<b>Odom Hydrographic Systems Inc.</b> 8178 G.S.R.I. Road, Baton Rouge, Louisiana, 70820, USA Tel: (225) 769-3051 Fax:(225) 766-5122 <a href="http://www.odomhydrographic.com">http://www.odomhydrographic.com</a>
<b>Device Data String(s) Output to WinFrog:</b>	Depth (see Configuration Details below for string contents. Output in Feet with one decimal place. Sounder status received indicated by presence of letter 'E' in data string.
<b>WinFrog Data String(s) Output to Device:</b>	Nil
<b>WinFrog .raw Data Record Type(s):</b>	Depth: Type 411: depth, status & dtime are repeated 15 times on each line

**DEVICE DESCRIPTION:**

The Odom DT3FS is a driver written for a specific Odom Digitrace digitizer which outputs data in Feet. The 'F' in the name denotes that the device outputs in Feet. When using this device - as opposed to the Digitrace device - you should verify correct data is being read into WinFrog.

**DEVICE CONFIGURATION INSTRUCTIONS:**

Baud Rate: 9600  
Data Bits: 8  
Stop Bits: 1  
Parity: None

**WINFROG I/O DEVICES > CONFIG OPTIONS:**

The DT3FS is added to WinFrog from the SOUNDER device category. No configuration is required at the "generic" I/O Devices window level.

**WINFROG VEHICLE - DEVICE > EDIT OPTIONS:**

Adding the ODOM DT3FS sounder to WinFrog creates a BOTTOMDEPTH data item that must be added to the appropriate vehicle's device list. Once the BOTTOMDEPTH data item has been added to a vehicle's device list, it must be edited to suit the application.

In the vehicle's device list, highlight the SOUNDER, ODOM DT3FS, BOTTOMDEPTH data item and click the Edit button. The standard **Configure Sounder** dialog box appears. See documentation on the NMEA DEPTH Sounder for details on configuring this dialog box.

### CONFIGURATION DETAILS:

Refer to documentation on the ODOM Digitrace Driver for configuration details. The differences with the two drivers is as follows:

	DT3FS Driver	Digitrace Driver
1.	Outputs data in feet.	Data can be in feet, metres or fathoms.
2.	Accepts heave data.	Does not accept heave data.
3.	Status not displayed.	Status displayed in I/O window.
4.	Event not written to Sounder	Sounder event written.

### Serial Output:

The output from the Digitrace is ASCII serial data using the standard RS-232 protocol. Refer to documentation on the Digitrace for RS-232 connector pin outs.

The standard output data string (ASCII) contains 11 characters, with a data repetition rate that is determined by the sounder. The data string is as follows:

