WinFrog Device Group:	**RHO/THETA**
Device Name/Model:	**LaserL5000**
Device Manufacturer:	Measurement Devices Ltd. Silverburn Cresent Bridge of Don Industrial Estate Aberdeen AB23 8EW Scotland, U.K. Tel: 44 (0) 1224 246700 Fax: 44 (0) 1224 824987 Email: info@mdl.co.uk
Device Data String(s) Output to WinFrog:	
WinFrog Data String(s) Output to Device:	
WinFrog Data Item(s) and their RAW record:	TARGET 530

DEVICE CONFIGURATION INSTRUCTIONS

WINFROG I/O DEVICES > EDIT I/O:

Serial
Configurable Parameters

WINFROG I/O DEVICES > CONFIGURE DEVICE:

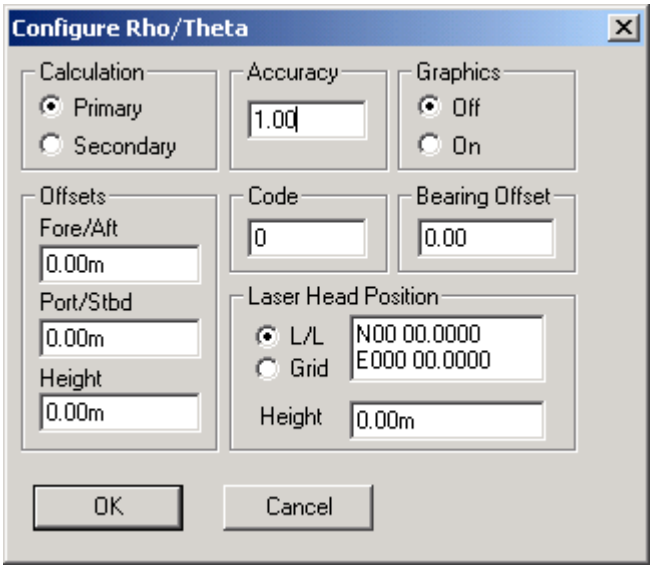
No configuration is required at the I/O Device window level.

WINFROG VEHICLE > CONFIGURE VEHICLE DEVICES > DEVICE DATA ITEM > EDIT:

Adding the LaserL5000 device creates the TARGET data item. Once the data item has been added to the vehicle, it must be edited to suit the application.

Data item: RHO/THETA, LaserL5000, TARGET

Highlight the TARGET data item in the vehicle's device list and click the Edit button to open the Configure Rho/Theta dialog box as seen below.



In the Calculation section, the default setting is Secondary. Select the Primary option if this device is to be used as the main positioning source.

Enter a realistic accuracy for this device, keeping in mind that the accuracy value entered affects the final filtered position calculated by WinFrog. The smaller the number entered, the more accurate it is deemed to be and the more weight it will be given if combined with other position sources in a weighted mean solution.

Select the Graphics On option to display a square with the device name, at the device's location, in both the Graphics and Bird's Eye windows.

The offsets are entered similar to other devices in WinFrog, i.e. measured from the CRP to the device location.

The Code field is not used by this device, so this can be left at the default value of zero.

In the Bearing Offset field you can enter an angular offset to orient the Artemis device to the local datum.

In the Laser Head Position section, you can enter the coordinates of the Artemis device in either latitude/longitude or Grid format. The height, in the working datum, is entered in the Height dialog box.