

Toolset Zero Channels

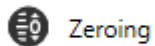
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Overview

Zero channels is a feature that allows the user to offset a channel to a value that is then used as an offset in the logged data.

Toolset Setup

Navigate to the zeroing applet in Toolset.



Zeroing

It is possible to create different zero groups, for example a suspension travel group or maybe a thermocouple array group.

Add a group and then add the channels to the group, for example;

Name

Offset

Add Channel

Susp Travel FL	⋮	Target Value	<input type="text" value="0.000"/>	<input type="text" value="mm"/>	
Susp Travel FR	⋮	Target Value	<input type="text" value="0.000"/>	<input type="text" value="mm"/>	
Susp Travel RL	⋮	Target Value	<input type="text" value="0.000"/>	<input type="text" value="mm"/>	
Susp Travel RR	⋮	Target Value	<input type="text" value="0.000"/>	<input type="text" value="mm"/>	

The target value is the engineering value and the unit of the offset.

There is a feature to allow a zero to be taken with a button press - the ICD has no inbuilt buttons so this feature is not yet implemented for remote buttons.

Once a channel has been added to a zero group a new channel is created with a suffix name of offset.

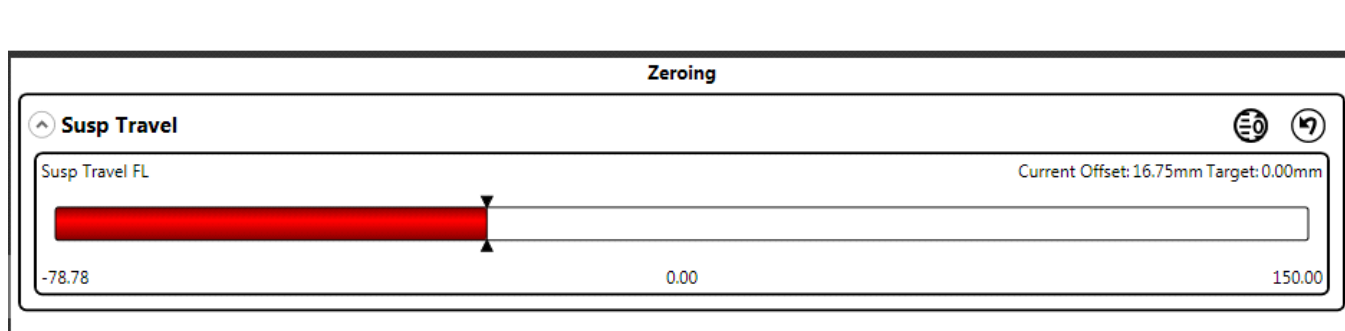
For example this is the channel list the group above creates;

Susp Travel FL	50 Hz
Susp Travel FL Offset	Off
Susp Travel FR	50 Hz
Susp Travel FR Offset	Off
Susp Travel RL	50 Hz
Susp Travel RL Offset	Off
Susp Travel RR	50 Hz
Susp Travel RR Offset	Off

Toolset Actions

Select the zero action

By clicking on the zero button the user is able to zero this sensor. Undo removes the offset.



Starting again

Revert usually does this action but so does removing the channel from zero group in the setup.