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Yokogawa WT User Manual

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# Configuration



The first time the system is configured it is necessary to enable and configure all devices you require. To configure a particular device select the ***Devices*** option from the main menu followed by the Yokogawa\_WT device. This will launch an application to configure the device.

From the list provided select a channel and double-click. Alternatively you can select a channel and then click on the Configure Channel button. 

This will launch a channel configuration dialog which enables you to configure individual channels.

# Channel Configuration



## Enable Channel

The Enable Channel check box must be checked to enable and allow a channel to be configured and ultimately included with all other configured channels in the overall system.

## Tag

The Tag field is a 12 character alphanumeric field that can contain channel information or wiring schedule references.

## Description

The Description field is a 32 character alphanumeric field in which a description of the channel can be detailed.

## Engineering Units

Specifies engineering details for this channel.

### Minimum

Minimum engineering value for all Analog channels in addition to the unit field. The default is 0.

### Maximum

Maximum engineering value for all Analog channels in addition to the unit field. The default is 100.

### Descriptor

A four character field available to describe the units of the measurement.

## Device Specific Button

When the Device Specific Button is pressed a dialog appears detailing the Analog Value Mapping between the channel being configured and the data associated with that channel. These settings are in relation to display configurations.



### Function

Sets display function.

### Element

Sets display element.

# Advanced Device Configuration



## AutoEnable Device

To ensure that the device is enabled on the system check the Enable Device box.

## Scan Rate

To set the rate at which the device will scan, edit the text boxes associated with the Scan Rate field.

## Save Outputs

To enable this utility check the Save Outputs flag. All values in output channels are saved to disk when the system is disabled. The next time the system is restarted the values which were previously in output channels will be restored to the appropriate channel number.

### By Tag

Channel values can be saved and restored to channels using the channel tag instead of the channel number. In this way, channels can be rearranged within the modules and as long as the channel tags remain the same, the correct channel values will be restored to the appropriate channel number.

## Device Specific Button

When the Device Specific Button is pressed the following dialog appears to allow specific communication settings to be configured for the device.



### Communication Settings

The GPIB Gateway Communication Settings

#### Board

Enter the board number of the controller to which the instrument is attached.

#### Address

Enter the address of the controller to which the instrument is attached.

### Mode

Sets the measurement mode of voltage and current

### Sync Src

Sets synchronization source.

### Frequency Filter

Sets frequency filter.

### Line Filter

Sets line filter.

### Range

#### Voltage

Sets voltage range.

#### Current

Sets electric current range.

### Averaging

Sets whether to average (ON) or not (OFF).

#### Type

 Sets Averaging type.

#### Count

Sets the attenuation constant or average count.

### Wiring

Sets wiring system.

### Max Hold

Sets whether to hold Max data (ON) or not (OFF).