

# Setting up a Rosemount 3051SF Wireless DP Flowmeter



To optimize the set-up of a Rosemount 3051SF Wireless DP Flowmeter for a flow application, the transmitter should be configured with the transfer function set to square root and the LCD display configured for % of Span. This set-up can be done using the Smart Wireless Gateway web interface, AMS Device Manager or a Handheld communicator.

## Smart Wireless Gateway Web Interface

Connect to the Smart Wireless Gateway through the web interface using it's IP address and perform the following procedures.

1. Navigate to Setup > HART > Device
2. Locate the Flowmeter in the list of devices connected to the network
3. Click Edit under the % Range column
4. Enter the Lower Range Value in DP units that corresponds to the 0% flow value (typically this value is zero)
5. Enter the Upper Range Value in DP units that corresponds to the 100% flow value
6. Change the transfer function to Square Root
7. Click Submit
8. Using any Asset Management software or Field Communicator, configure the Device Display for % of Span.

## AMS Device Manager

Open AMS Device Manager and double click on the device that is being configured.

1. Navigate to Configure > Guided Setup > Basic Setup
2. Select the following parameters: Engineering Units, Upper and Lower Range Values, and Transfer Function (Square Root)
3. Navigate to Configure > Guided Setup > Configure Device Display
4. Select Periodically or On Demand for Display Option and % of Span for the Device Variable to display

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