

# Impulse counter

**FMB** devices have pulse counter capability out of the box from firmware 03.28.07.Rev.03 and later.

## Use case:

Pulse counter functionality enables the FMB devices to count digital impulses going to DIN1/DIN2. This means that 2 digital inputs of the FMB devices can now be used for precise fuel flow meter data reading. Impulse based fuel usage monitoring is much more accurate than a different type of fuel metering sensors and it makes the FMB devices a perfect solution for high fuel usage machines like cranes, construction vehicles, mining machines, agriculture equipment.

## Specification:

Model	DIN1 Max frequency, Hz	DIN2 Max frequency, Hz	Input Voltage threshold (DIN1)	Input Voltage threshold (DIN2)
<a href="#">FMB920</a>	2000	-	7.5V	-
<a href="#">FMB110</a>				
<a href="#">FMB120</a>				
<a href="#">FMB122</a>				
<a href="#">FMB130</a>	50	2000	7.5V	2.5V
<a href="#">FMB140</a>				
<a href="#">FMB202</a>				
<a href="#">FMB204</a>				
<a href="#">FMB125</a>				
<a href="#">FMM125</a>	50	-	7.5V	-
<a href="#">FMC125</a>				

## How does it work?

When pulse counter I/O is enabled, then Pulse Counter DIN1/DIN2 will count every DIN1/DIN2 state change to HIGH and send the counted number with the next record. Pulse counter value is reset after sending the record.

