

## Advantech AE Technical Share Document

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<b>Category</b>	■FAQ □SOP	<b>Related OS</b>	N/A
<b>Abstract</b>	What is the sensor feature range and unit of WISE-2410?		
<b>Keyword</b>	WISE, LoRaWAN, vibration, feature, range		
<b>Related Product</b>	WISE-2410		

### ■ **Problem Description:**

Due to the features of WISE-2410 are floating data type, it is required to convert the values into integer by multiply with a number before transmitting. A user has to divide the number after received them. This document shows the range and unit of each features that WISE-2410 send to a LoRaWAN gateway.

### ■ **Brief Solution - Step by Step:**

Please refer to the unit in bellow table.

Field Name	Data Type	Description	Unit	Length
BatteryVolt	int	Battery level	0.001V	2 Bytes
OAVelocity	int	OA Value of Vibration Velocity	0.01 mm/sec	2 Bytes
Peakmg	int	Peak Value of Acceleration	0.001g or 0.01 m/s <sup>2</sup>	2 Bytes
RMSmg	int	RMS of Acceleration	0.001g or 0.01 m/s <sup>2</sup>	2 Bytes
Displacement	int	Displacement	um	2 Bytes
Kurtosis	int	Kurtosis	0.01	2 Bytes
Crest Factor	int	Crest factor	0.01	2 Bytes
Skewness	int	Skewness	0.01	2 Bytes
Deviation	int	Standard deviation	0.01	2 Bytes
SenVal	int	Temperature value	0.001°C	4 Bytes