# **VGM Communication Protocol**

### **Com Channel Settings**

Baud rate: 115200
Data Bits: 8
Stop Bits: 1
Parity: None

Communication with the meter follows a general rule: 6 bytes sent from the controlling device will initiate a command. To retrieve data:

### Send 6 Bytes:

To get next sample: 6 x - 0x03

To set Time to zero (and get next sample): 6 x - 0x04

(Note: an extra ACK is sent before sample when time is reset - 32 bytes returned)

### Receive 31 Bytes:

6 – bytes for Time

6 – bytes for X Axis

6 – bytes for Y Axis

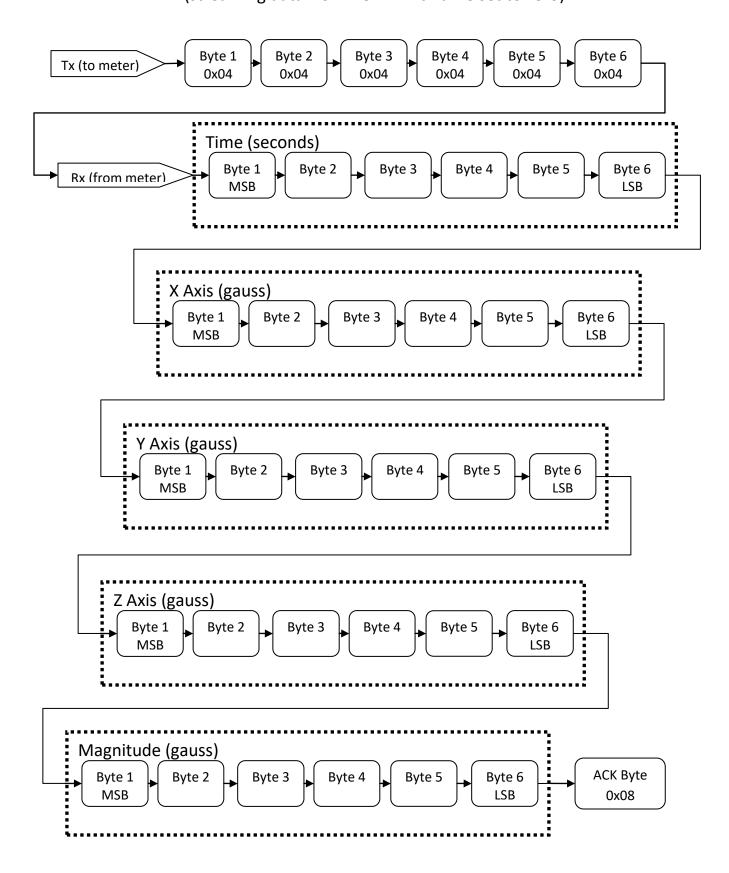
6 – bytes for Z Axis

6 – bytes for Magnitude

1 – byte for Acknowledgment (should be 0x08)

# **Data Stream Example**

(streaming data from VGM - with time set to zero)



# **Data Stream Decomposition**

(convert a single axis)

