

**Ref: FAQ0080****Version: 1.0****Title – 4GB Pressure Transient logger****Made By: AB 28/01/15****(Issue 1)**

## **4GB Pressure transient loggers – how long will they record?**

For Pressure Transient loggers equipped with a 4GB memory card (= 4 x 1000 x 1000 x 1000 readings) each reading requires 2 bytes – so effectively you have 2GB of readings available. Sample rates with this logger are 5 Hz, 10 Hz, 15 Hz, 20 Hz, 25 Hz

So at 1 sec sample rate and hysteresis zero this will record for 63 years

At 5 samples per second and hysteresis zero this will record for 12.5 years

At 10 samples per second and hysteresis zero this will record for 6.25 years

At 15 samples per second and hysteresis zero this will record for 4.25 years

At 20 samples per second and hysteresis zero this will record for 3.125 years

At 25 samples per second and hysteresis zero this will record for 2.5 years

A word of warning – if you are using this logger make sure you stop the logger after your testing as otherwise it may take a very long time to download. Downloading the data is the limiting factor – if you left it running for 2.5 years for example it would take several weeks to download all the data ( your PC would probably time out well before it completed the download!)

### **Document History:**

<b>Edition</b>	<b>Date of Issue</b>	<b>Modification</b>	<b>Notes</b>
1st	28/01/15	Release	



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