



Appendix

1. DC Voltage Linearity

High Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	199997.35	0.91	0.00
Channel X	+ Input	20001.49	1.47	0.01
Channel X	- Input	-20001.51	0.14	-0.00
Channel Y	+ Input	199996.87	0.53	0.00
Channel Y	+ Input	19998.65	-1.35	-0.01
Channel Y	- Input	-20003.75	-2.14	0.01
Channel Z	+ Input	199996.57	0.03	0.00
Channel Z	+ Input	19998.48	-1.49	-0.01
Channel Z	- Input	-20002.14	-0.43	0.00

Low Range		Reading (μV)	Difference (μV)	Error (%)
Channel X	+ Input	2000.37	0.14	0.01
Channel X	+ Input	200.69	0.09	0.04
Channel X	- Input	-198.98	0.26	-0.13
Channel Y	+ Input	2000.03	-0.21	-0.01
Channel Y	+ Input	199.35	-1.26	-0.63
Channel Y	- Input	-200.62	-1.31	0.66
Channel Z	+ Input	2000.23	0.08	0.00
Channel Z	+ Input	199.71	-0.80	-0.40
Channel Z	- Input	-200.19	-0.80	0.40

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	-3.16	-5.14
	- 200	6.37	4.63
Channel Y	200	15.87	15.47
	- 200	-18.18	-18.66
Channel Z	200	13.55	13.42
	- 200	-15.48	-15.78

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	1.53	-4.47
Channel Y	200	9.07	-	4.25
Channel Z	200	9.52	5.92	-



4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16203	14917
Channel Y	15819	16055
Channel Z	15731	15876

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	-0.77	-1.57	0.21	0.34
Channel Y	-2.08	-2.71	-0.92	0.38
Channel Z	-1.18	-2.78	0.33	0.46

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9



7. EUT Testing Position and Antenna Location

Test Position 1



Test Position 2



Test Position 3



Test Position 4



Test Position 2 (Remove rear cover)

