

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	200015.09	-3.17	-0.00
Channel X + Input	19989.59	0.61	0.00
Channel X - Input	-20022.13	1.31	-0.01
Channel Y + Input	200017.47	-1.39	-0.00
Channel Y + Input	19987.03	-2.38	-0.01
Channel Y - Input	-20023.15	-0.10	0.00
Channel Z + Input	200019.38	-3.17	-0.00
Channel Z + Input	19987.31	-2.24	-0.01
Channel Z - Input	-20026.23	-3.27	0.02

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	1984.27	0.03	0.00
Channel X + Input	183.17	-1.00	-0.54
Channel X - Input	-216.75	-1.01	0.47
Channel Y + Input	1984.61	0.09	0.00
Channel Y + Input	183.31	-1.11	-0.60
Channel Y - Input	-217.09	-1.54	0.71
Channel Z + Input	1984.73	0.13	0.01
Channel Z + Input	182.92	-1.64	-0.89
Channel Z - Input	-216.76	-1.35	0.63

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	1.47	0.02
	- 200	0.64	-1.28
Channel Y	200	-15.56	-15.96
	- 200	14.16	14.04
Channel Z	200	7.27	7.11
	- 200	-8.69	-8.81

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	-	3.46	-2.98
Channel Y	200	8.47	-	4.37
Channel Z	200	10.16	6.19	-

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	15851	15635
Channel Y	16300	16437
Channel Z	16069	16188

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	1.40	-0.15	2.20	0.32
Channel Y	-0.17	-1.27	1.97	0.51
Channel Z	-1.49	-2.36	-0.38	0.33

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