

Applicant:

Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co., Ltd

Certificate No: 20240503001

Serial Number: 20240503001



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	102.0	2.0
2	30	1	102.0	2.0
3	80	1	102.0	2.0
4	160	1	102.0	2.0
5	315	1	102.0	2.0
6	630	1	102.0	2.0
7	800	1	102.3	2.3
8	1000	1	102.8	2.8

Amplitude Linearity

Amplitude Linearity: 160 Hz , 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	102.5	2.5
2	160	0.2	102.2	2.2
3	160	0.4	102.1	2.1
4	160	0.6	102.0	2.0
5	160	0.8	102.0	2.0
6	160	1.2	102.0	2.0
7	160	1.8	102.0	2.0
8	160	2.0	102.0	2.0
9	160	4.0	102.0	2.0

Applicant:

Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co.,Ltd

Certificate No: 20240503002

Serial Number: 20240503002



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	101.0	1.0
2	30	1	101.0	1.0
3	80	1	101.0	1.0
4	160	1	101.0	1.0
5	315	1	101.0	1.0
6	630	1	101.0	1.0
7	800	1	101.2	1.2
8	1000	1	101.6	1.6

Amplitude Linearity

Amplitude Linearity: 160 Hz , 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	101.3	1.3
2	160	0.2	101.1	1.1
3	160	0.4	101.1	1.1
4	160	0.6	101.0	1.0
5	160	0.8	101.0	1.0
6	160	1.2	101.0	1.0
7	160	1.8	101.0	1.0
8	160	1.0	101.0	1.0
9	160	4.0	101.0	1.0

Applicant:

Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co., Ltd

Certificate No: 20240503003

Serial Number: 20240503003



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	103.0	3.0
2	30	1	103.0	3.0
3	80	1	103.0	3.0
4	160	1	103.0	3.0
5	315	1	103.0	3.0
6	630	1	103.0	3.0
7	800	1	103.3	3.3
8	1000	1	103.7	3.7

Amplitude Linearity

Amplitude Linearity: 160 Hz, 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	103.3	3.3
2	160	0.2	103.2	3.2
3	160	0.4	103.1	3.1
4	160	0.6	103.0	3.0
5	160	0.8	103.0	3.0
6	160	1.2	103.0	3.0
7	160	1.8	103.0	3.0
8	160	3.0	103.0	3.0
9	160	4.0	103.0	3.0

Applicant:

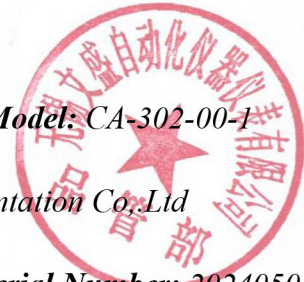
Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co., Ltd

Certificate No: 20240503004

Serial Number: 20240503004



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	100.0	0.0
2	30	1	100.0	0.0
3	80	1	100.0	0.0
4	160	1	100.0	0.0
5	315	1	100.0	0.0
6	630	1	100.0	0.0
7	800	1	100.2	0.2
8	1000	1	100.5	0.5

Amplitude Linearity

Amplitude Linearity: 160 Hz , 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	100.5	0.5
2	160	0.2	100.3	0.3
3	160	0.4	100.2	0.2
4	160	0.6	100.0	0.0
5	160	0.8	100.0	0.0
6	160	1.2	100.0	0.0
7	160	1.8	100.0	0.0
8	160	0.0	100.0	0.0
9	160	4.0	100.0	0.0

Applicant:

Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co., Ltd

Certificate No: 20240503005

Serial Number: 20240503005



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	101.0	1.0
2	30	1	101.0	1.0
3	80	1	101.0	1.0
4	160	1	101.0	1.0
5	315	1	101.0	1.0
6	630	1	101.0	1.0
7	800	1	101.3	1.3
8	1000	1	101.7	1.7

Amplitude Linearity

Amplitude Linearity: 160 Hz, 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	101.5	1.5
2	160	0.2	101.3	1.3
3	160	0.4	101.1	1.1
4	160	0.6	101.0	1.0
5	160	0.8	101.0	1.0
6	160	1.2	101.0	1.0
7	160	1.8	101.0	1.0
8	160	1.0	101.0	1.0
9	160	4.0	101.0	1.0

Applicant:

Device Name: Accelerometer

Model: CA-302-00-1

Manufacturer: Wuxi Winsun Automation Instrumentation Co.,Ltd

Certificate No: 20240503006

Serial Number: 20240503006



Frequency Response

Amplitude-Frequency Response: < 10 ~ 1000 Hz, Step Sine

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	10	1	98.0	-2.0
2	30	1	98.0	-2.0
3	80	1	98.0	-2.0
4	160	1	98.0	-2.0
5	315	1	98.0	-2.0
6	630	1	98.0	-2.0
7	800	1	97.6	-2.4
8	1000	1	97.3	-2.7

Amplitude Linearity

Amplitude Linearity: 160 Hz , 0.1 g ~ 4 g

Test Point	Frequency	Reference Vaule (g)	Measured Sensitivity (mv/g)	Uncertainty (%)
1	160	0.1	97.6	-2.4
2	160	0.2	97.7	-2.3
3	160	0.4	97.8	-2.2
4	160	0.6	98.0	-2.0
5	160	0.8	98.0	-2.0
6	160	1.2	98.0	-2.0
7	160	1.8	98.0	-2.0
8	160	2.0	98.0	-2.0
9	160	4.0	98.0	-2.0