

Certificate of Calibration

14871712

Certificate Page 1 of 2

Instrument Identification

PO Number: 3278

Company ID: 327841

RECLAIM FILTERS & SYSTEMS

RUSS KELLER

1129 HIDDEN HILLS DR WAKE FOREST, NC 27587

Instrument ID: **B012367**Manufacturer: TEKTRONIX

Description: OSCILLOSCOPE

Model Number: 2246A Serial Number: B012367

Certificate Information

Reason For Service: CALIBRATION

Type of Cal: NORMAL

As Found Condition: IN TOLERANCE

As Left Condition: IN TOLERANCE

Procedure: 070-6555-00

Remarks: Data report attached.

Technician: SANDRA GRAHAM

Cal Date 05Aug2019

Cal Due Date: 05Aug2021

Interval: 24 MONTHS Temperature: 21.8 C

Humidity: 52.1 %

Tektronix certifies the performance of the above instrument has been verified using test equipment of known accuracy, which is traceable to the International System of Units (SI), National Metrology Institutes (NIST, NPL, PTB), derived from ratio type measurements, compared to reference materials or recognized consensus standards. The policies and procedures comply with ANSI/NCSL Z540.1-1994. The quality system complies with ISO9001.

This certificate shall not be reproduced, except in full, without the written consent of Tektronix.

Approved By: SANDRA GRAHAM

Service Representative Issue Date: 8/5/2019

Calibration Standards

NIST Traceable#	Inst. ID#	Description	Manufacturer	Model	Cal Date	Date Due
14697511	06-0208	CALIBRATOR	FLUKE	5520A-SC600	03Jun2019	03Jul2020
14509570	06-0494	CALIBRATOR	FLUKE	5522A-SC1100,PQ	22Mar2019	22Apr2020
14537830REV1	06-0607	TEMP./HUMIDITY PROBE	OMEGA	ITHP-W-6	08Apr2019	08May2020



Certificate of Calibration

14871712

Certificate Page 2 of 2

Calibration Standards

NIST Traceable#

Inst. ID#

Description

Manufacturer

Model

Cal Date

Date Due

14665414

407410002

FUNCTION GENERATOR

AGILENT

33250A

21May2019

21Dec2020



Manufacturer: TEKTRONIX
ID / Asset Number: B012367

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units
		CH 1 D	eflection	Accuracy				
2 mV	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
5 mV	4.00	4.01	Pass	Same	Pass	3.92	4.08	Div
10 mV	5.00	5.01	Pass	Same	Pass	4.90	5.10	Div
20 mV	5.00	5.01	Pass	Same	Pass	4.90	5.10	Div
50 mV	4.00	3.99	Pass	Same	Pass	3.92	4.08	Div
100 mV	5.00	4.98	Pass	Same	Pass	4.90	5.10	Div
200 mV	5.00	5.02	Pass	Same	Pass	4.90	5.10	Div
500 mV	4.00	4.01	Pass	Same	Pass	3.92	4.08	Div
1 V	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
2 V	5.00	5.01	Pass	Same	Pass	4.90	5.10	Div
5 V	4.00	3.99	Pass	Same	Pass	3.92	4.08	Div
		CH 2 D	eflection	Accuracy	•			
2 mV	5.00	4.90	Pass	Same	Pass	4.90	5.10	Div
5 mV	4.00	3.96	Pass	Same	Pass	3.92	4.08	Div
10 mV	5.00	5.00	Pass	Same	Pass	4.90	5.10	Div
20 mV	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
50 mV	4.00	3.99	Pass	Same	Pass	3.92	4.08	Div
100 mV	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
200 mV	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
500 mV	4.00	3.99	Pass	Same	Pass	3.92	4.08	Div
1 V	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
2 V	5.00	4.99	Pass	Same	Pass	4.90	5.10	Div
5 V	4.00	3.99	Pass	Same	Pass	3.92	4.08	Div
				Accuracy	. 455	0.02		
.1 V	5.00	5.00	Pass	Same	Pass	4.90	5.10	Div
.5 V	4.00	4.00	Pass	Same	Pass	3.92	4.08	Div
		CH 4 D	eflection	Accuracy				
.1 V	5.00	5.00	Pass	Same	Pass	4.90	5.10	Div
.5 V	4.00	4.00	Pass	Same	Pass	3.92	4.08	Div
		Channel '		dth 100MHz	1 . 400			
2 mV	Pass	Pass	Pass	Same	Pass	Functional/\	Visual Check	P/F
5 mV	Pass	Pass	Pass	Same	Pass	Functional/\	Visual Check	P/F
10 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
20 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
50 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
100 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
200 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
500 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
1 V	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
V	1 433		1	idth 100MHz	F @ 33	T directorial,	Vioual Official	1 171
ov/	Pass	Pass	Pass	Same	Pass	Functional/\	Visual Check	P/F
2 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
5 mV		-		Same	+		Visual Check	P/F
10 mV	Pass Pass	Pass Pass	Pass	Same	Pass		Visual Check	P/F P/F
20 mV		-	Pass		Pass		Visual Check	
50 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
100 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
200 mV	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
500 mV	Pass	Pass	Pass	Same	Pass			P/F
1 V	Pass	Pass	Pass	Same	Pass	runctional/\	Visual Check	P/F
	D-	1	T	dth 100MHz	n-	F4! 10	/igual Ok!-	D/F
.1 V	Pass	Pass	Pass	Same	Pass		Visual Check	P/F
.5 V	Pass	Pass	Pass	Same	Pass	runctional/\	Visual Check	P/F
			1	dth 100MHz		F. (2.10	Garrat Oh	T 5/5
.1 V	Pass	Pass	Pass	Same	Pass	Functional/\	Visual Check	P/F



Manufacturer: TEKTRONIX Model Number: ID / Asset Number: B012367 Calibration Date:

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units		
.5 V	Pass	Pass	Pass	Same	Pass	Functional/\	isual Check	P/F		
	Channel 1 Bandwidth Limit Operation									
BW Limit On	20	18	Pass	Same	Pass	17	23	MHz		
		Channel 2 Ba	ndwidth	Limit Operation	n					
BW Limit On	20	20	Pass	Same	Pass	17	23	MHz		
		Common-	Mode Re	jection Ratio						
BOTH/ADD	≤ 0.6	-0.2	Pass	Same	Pass	No Min	0.8	Div		
вотн	≤ 0.6	-0.2	Pass	Same	Pass	No Min	0.8	Div		
		Channel	1 Trigge	r - 500 KHz						
Channel 1 Trigger 500 kHz	Pass	Pass	Pass	Same	Pass	Functional/\	isual Check	P/F		
		Channel	1 Trigge	er - 25 MHz						
Channel 1 Trigger 25 MHz	Pass	Pass	Pass	Same	Pass	Functional/\	isual Check	P/F		
		Channel	1 Trigge	r - 150 MHz						
Channel 1 Trigger 150 MHz	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F		
		Channel	2 Trigge	r - 500 KHz						
Channel 2 Trigger 500 kHz	Pass	Pass	Pass	Same	Pass	Functional/\	isual Check	P/F		
		Channel	2 Trigge	er - 25 MHz						
Channel 2 Trigger 25 MHz	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F		
		Channel	2 Trigge	r - 150 MHz						
Channel 2 Trigger 150 MHz	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F		



Manufacturer: TEKTRONIX
ID / Asset Number: B012367

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units
		Sweep	Time Ac	curacy A				
20 ns	0.0	0.5	Pass	Same	Pass	-2.0	2.0	%
50 ns	0.0	0.4	Pass	Same	Pass	-2.0	2.0	%
0.1 us	0.0	0.1	Pass	Same	Pass	-2.0	2.0	%
0.2 μs	0.0	0.9	Pass	Same	Pass	-2.0	2.0	%
0.5 μs	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
1 μs	0.0	0.5	Pass	Same	Pass	-2.0	2.0	%
2 μs	0.0	-0.4	Pass	Same	Pass	-2.0	2.0	%
5 μs	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
10 µs	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
20 μs	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
50 μs	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
100 µs	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
200 μs	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
500 µs	0.0	-0.1	Pass	Same	Pass	-2.0	2.0	%
1 ms	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
2 ms	0.0	-0.4	Pass	Same	Pass	-2.0	2.0	%
5 ms	0.0	-0.1	Pass	Same	Pass	-2.0	2.0	%
10 ms	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
20 ms	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
50 ms	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
100 ms	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
200 ms	0.0	0.1	Pass	Same	Pass	-2.0	2.0	%
500 ms	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
		•		nearity A				
20 ns	0.0	-0.6	Pass	Same	Pass	-5.0	5.0	%
50 ns	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
0.1 us	0.0	-1.2	Pass	Same	Pass	-5.0	5.0	%
0.2 μs	0.0	-1.0	Pass	Same	Pass	-5.0	5.0	%
0.5 µs	0.0	-1.2	Pass	Same	Pass	-5.0	5.0	%
1 µs	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
2 μs	0.0	-0.7	Pass	Same	Pass	-5.0	5.0	%
5 µs	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
10 μs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
20 µs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
50 μs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
100 µs	0.0	-0.7	Pass	Same	Pass	-5.0	5.0	%
200 μs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
500 μs	0.0	-0.6	Pass	Same	Pass	-5.0	5.0	%
1 ms	0.0	-0.5	Pass	Same	Pass	-5.0	5.0	%
2 ms	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
5 ms	0.0	-0.8	Pass	Same	Pass	-5.0 5.0	5.0	%
10 ms	0.0	-1.2	Pass	Same	Pass	-5.0	5.0	%
20 ms	0.0	-0.5	Pass	Same	Pass	-5.0	5.0	%
50 ms	0.0	-0.3	Pass	Same	Pass	-5.0	5.0 5.0	%
100 ms	0.0	-0.4	Pass	Same	Pass	-5.0		%
200 ms	0.0	-0.4	Pass	Same	Pass	-5.0	5.0	
500 ms	0.0	-0.2	Pass	Same	Pass	-5.0	5.0	%





Manufacturer: TEKTRONIX
ID / Asset Number: B012367

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units
		Sweep Ti	ime Accu	racy A X10				
20 ns	0.0	-0.3	Pass	Same	Pass	-3.0	3.0	%
50 ns	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
0.1 us	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
0.2 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
0.5 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
1 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
2 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
5 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
10 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
20 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
50 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
100 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
200 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
500 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
1 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
2 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
5 ms	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
10 ms	0.0	-0.5	Pass	Same	Pass	-3.0	3.0	%
20 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
50 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
100 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
200 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
500 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
		Sweep	Time Ac	curacy B	•			
20 ns	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
50 ns	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
0.1 us	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
0.2 μs	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
0.5 μs	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
1 µs	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
2 μs	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
5 μs	0.0	-0.1	Pass	Same	Pass	-2.0	2.0	%
10 μs	0.0	-0.5	Pass	Same	Pass	-2.0	2.0	%
20 μs	0.0	0.0	Pass	Same	Pass	-2.0	2.0	%
50 μs	0.0	0.1	Pass	Same	Pass	-2.0	2.0	%
100 µs	0.0	-0.3	Pass	Same	Pass	-2.0	2.0	%
200 μs	0.0	-0.4	Pass	Same	Pass	-2.0	2.0	%
500 μs	0.0	-0.2	Pass	Same	Pass	-2.0	2.0	%
1 ms	0.0	-0.6	Pass	Same	Pass	-2.0	2.0	%
2 ms	0.0	-0.5	Pass	Same	Pass	-2.0	2.0	%
5 ms	0.0	-0.1	Pass	Same	Pass	-2.0	2.0	%



Manufacturer: TEKTRONIX
ID / Asset Number: B012367

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units
		Sween	Time Li	nearity B				
20 ns	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
50 ns	0.0	-1.1	Pass	Same	Pass	-5.0	5.0	%
0.1 us	0.0	-1.0	Pass	Same	Pass	-5.0	5.0	%
0.2 μs	0.0	-1.0	Pass	Same	Pass	-5.0	5.0	%
0.5 μs	0.0	-1.1	Pass	Same	Pass	-5.0	5.0	%
1 μs	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
2 μs	0.0	-0.7	Pass	Same	Pass	-5.0	5.0	%
5 μs	0.0	-0.6	Pass	Same	Pass	-5.0	5.0	%
10 μs	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
20 μs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
50 μs	0.0	-0.8	Pass	Same	Pass	-5.0	5.0	%
100 μs	0.0	-0.5	Pass	Same	Pass	-5.0	5.0	%
200 μs	0.0	-0.5	Pass	Same	Pass	-5.0	5.0	%
500 μs	0.0	-0.5	Pass	Same	Pass	-5.0	5.0	%
1 ms	0.0	-0.6	Pass	Same	Pass	-5.0	5.0	%
2 ms	0.0	-0.9	Pass	Same	Pass	-5.0	5.0	%
5 ms	0.0	-0.6	Pass	Same	Pass	-5.0	5.0	%
		Sweep Ti	me Accı	racy B X10				
20 ns	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
50 ns	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
0.1 us	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
0.2 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
0.5 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
1 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
2 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
5 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
10 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
20 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
50 μs	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
100 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
200 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
500 μs	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
1 ms	0.0	-0.2	Pass	Same	Pass	-3.0	3.0	%
2 ms	0.0	-0.1	Pass	Same	Pass	-3.0	3.0	%
5 ms	0.0	0.0	Pass	Same	Pass	-3.0	3.0	%
		Delay	Time A	ccuracy	•			
1st	0.000	0.000	Pass	Same	Pass	0.000	0.000	ms
2nd	1.000	0.980	Pass	Same	Pass	0.975	1.025	ms
3rd	2.000	2.010	Pass	Same	Pass	1.970	2.030	ms
4th	3.000	3.000	Pass	Same	Pass	2.965	3.035	ms
5th	4.000	4.030	Pass	Same	Pass	3.960	4.040	ms
6th	5.000	5.020	Pass	Same	Pass	4.955	5.045	ms
7th	6.000	6.030	Pass	Same	Pass	5.950	6.050	ms
8th	7.000	6.970	Pass	Same	Pass	6.945	7.055	ms
9th	8.000	8.020	Pass	Same	Pass	7.940	8.060	ms
10th	9.000	9.010	Pass	Same	Pass	8.935	9.065	ms
			X Y Che	ck				
Amplitude	5.00	4.90	Pass	Same	Pass	4.85	5.15	div
Bandwidth 3 MHz	0.00	5.00	Pass	Same	Pass	4.20	No Max	div





Manufacturer: TEKTRONIX
ID / Asset Number: B012367

Model Number: 2246A
Calibration Date: 05-Aug-2019

Function / Range	Nominal Value	As Found	Result	As Left	Result	Min	Max	Units
		Meası	ırement	Cursors				
Time	1.000	0.990	Pass	Same	Pass	0.975	1.025	ms
1/sec	1.000	1.010	Pass	Same	Pass	0.975	1.025	khz
10th div	100.0	100.1	Pass	Same	Pass	99.3	100.7	Hz
Phase	180.0	179.3	Pass	Same	Pass	177.9	182.1	Deg
Volts	0.500	0.501	Pass	Same	Pass	0.495	0.505	V
Ground volts	0.500	0.504	Pass	Same	Pass	0.495	0.505	V
Tracking	0.000	0.000	Pass	Same	Pass	-0.005	0.005	V
	0.500	0.496	Pass	Same	Pass	0.495	0.505	V
				Accuracy	, , , , , , , , , , , , , , , , , , , 			
mv	0.0	0.1	Pass	Same	Pass	-1.2	1.2	mV
mv	50.0	50.4	Pass	Same	Pass	49.0	51.0	mV
Volts	0.500	0.503	Pass	Same	Pass	0.495	0.505	V
Volts	5.00	5.03	Pass	Same	Pass	4.95	5.05	V
		DC Volts norr						
Volts	0.000	0.005	Pass	Same	Pass	-0.019	0.019	V
		ak - Peak Peak						
+ Peak	50.0	49.8	Pass	Same	Pass	47.0	53.0	mv
BWL	50.0	49.8	Pass	Same	Pass	47.7	52.3	mv
- Peak	50.0	49.1	Pass	Same	Pass	47.7	52.3	mv
BWL Off	50.0	49.0	Pass	Same	Pass	47.0	53.0	mv
Peak to Peak	50.0	49.2	Pass	Same	Pass	46.5	53.5	mv
		Peak Peak to					T	
Peak to Peak	100.0	99.0	Pass	Same	Pass	95.0	105.0	mv
+ Peak	50.0	50.2	Pass	Same	Pass	46.0	54.0	mv
- Peak	50.0	48.4	Pass	Same	Pass	46.0	54.0	mv
		Peak Peak to F						
+ Peak	50.0	42.2	Pass	Same	Pass	34.4	54.0	mv
- Peak	50.0	41.6	Pass	Same	Pass	34.4	54.0	mv
Peak to Peak	100.0	83.4	Pass	Same	Pass	69.7	107.0	mv
gated	0.0	0.0	Pass	Same	Pass	0.0	0.2	div
	50.0	49.1	Pass	Same	Pass	47.0	53.0	mv
	0.0	-0.1	Pass	Same	Pass	-0.5	0.5	mv
			nal Z Ax					
Intensity	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F
			robe Adj					
Probe Adjust	5.00	4.90	Pass	Same	Pass	4.75	5.25	div
			Auto Set			F 45. 15	financia Obrania	
Function	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F
			Store Red			Franckis 10	financia Obrania	D/F
Function	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F
			Factory		T		<i>r</i> 101 1	7 5/5
Function	Pass	Pass	Pass	Same	Pass	Functional/\	/isual Check	P/F

Accredited Calibration Datasheets may contain measurements that are not covered by the Scope of Accreditation. These measurements are indicated by a pound sign (#).

Measurements with an (*) indicates an Indeterminate Guardband Pass or Fail - Guardbanding is determined by the Measurement Uncertainty Method

Accredited Calibration Datasheets may contain measurements that are not covered by the Scope of Accreditation. These measurements are indicated by a pound sign(#).

Measurements with an (*) indicates an Indeterminate Guardband Pass or Fail - Guardbanding is determined by the Measurement Uncertainty Method

