



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b>	EVL542345	<b>Replacement for:</b>	EVL531817
<b>Data Type:</b>	Found-Left	<b>Calibration Date:</b>	28-Mar-2019
<b>Result Summary:</b>	In Tolerance	<b>Certificate Date:</b>	07-May-2019
<b>Manufacturer:</b>	Fluke Networks	<b>Temperature:</b>	22.8 °C
<b>Model:</b>	Mantis-5032	<b>Humidity:</b>	29.1 %
<b>Serial Number:</b>	4168236		
<b>Description:</b>	DSX-Verification		
<b>Option(s):</b>	NEXT Artifact		
<b>Procedure:</b>	ARTIIFACT CHARACTERIZATION	<b>Revision:</b>	1.1
<b>Customer:</b>	VIDITEC S.A.		
<b>City:</b>	BUENOS AIRES	<b>Country:</b>	AR
<b>Purchase Order:</b>	NSI-1603	<b>RMA:</b>	31673910
<b>Asset ID:</b>	E000159		

This calibration is traceable to the International System of Units (SI), through National Metrology Institutes (NIST, PTB, NRC, NPL, etc.), radiometric techniques, or natural physical constants. This certificate applies only to the item identified and shall not be reproduced other than in full, without the specific written approval by Fluke Corporation. Calibration certificates without signature are not valid. The calibration has been completed in accordance with Fluke Electronics Corporation Quality System Document 111.0 Revision 122 6/2018 and/or Fluke 17025 Quality Manual QSD 111.41 Revision 005 9/2014.

The Data Type found in this certificate must be interpreted as:

- As - Found Calibration data collected before the unit is adjusted and / or repaired.
- As - Left Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by 'I'.

### Comments:

New unit.



**Calibrated**

Cert #: EVL542345  
Cal Date: 28-Mar-2019

S/N: 4168236  
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Cert #: EVL542345  
Date: 3/28/2019

Rick Powers  
Issued By

Certificate Number: EVL542345

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
17694	Agilent E5071C Network Analyzer	15-Mar-2019	15-Mar-2020
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b>	EVL542344	<b>Replacement for:</b>	EVL531827
<b>Data Type:</b>	Found-Left	<b>Calibration Date:</b>	28-Mar-2019
<b>Result Summary:</b>	In Tolerance	<b>Certificate Date:</b>	07-May-2019
<b>Manufacturer:</b>	Fluke Networks	<b>Temperature:</b>	22.8 °C
<b>Model:</b>	Mantis-5033	<b>Humidity:</b>	29.1 %
<b>Serial Number:</b>	4176154		
<b>Description:</b>	DSX-Verification		
<b>Option(s):</b>	Resistance Unbalanced Ar		
<b>Procedure:</b>	ARTIIFACT CHARACTERIZATION	<b>Revision:</b>	1.1
<b>Customer:</b>	VIDITEC S.A.	<b>Country:</b>	AR
<b>City:</b>	BUENOS AIRES		
<b>Purchase Order:</b>	NSI-1603	<b>RMA:</b>	31673910

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- As - Left Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit.



**Calibrated**

Cert # : EVL542344  
 Cal Date: 28-Mar-2019  
 S/N : 4176154  
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Cert # : EVL542344  
Date: 3/28/2019

Rick Powers  
 Issued By

Certificate Number: EVL542344

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020
16357	Fluke 8846A Digital Multimeter	18-Mar-2019	18-Mar-2020

Certificate Number: EVL542344

Date of Calibration: 28-Mar-2019

**Calibration Data**

Parameter	Nominal Value	Measurement Result	Limits of Error	
			Lower Limit	Upper Limit



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b> EVL542343	<b>Replacement for:</b> EVL531825
<b>Data Type:</b> Found-Left	<b>Calibration Date:</b> 28-Mar-2019
<b>Result Summary:</b> In Tolerance	
<b>Manufacturer:</b> Fluke Networks	<b>Certificate Date:</b> 07-May-2019
<b>Model:</b> Mantis-5033	<b>Temperature:</b> 22.8 °C
<b>Serial Number:</b> 4173170	<b>Humidity:</b> 29.1 %
<b>Description:</b> DSX-Verification	
<b>Option(s):</b> Loop Resistance Artifact	
<b>Procedure:</b> ARTIIFACT CHARACTERIZATION	<b>Revision:</b> 1.1
<b>Customer:</b> VIDITEC S.A.	
<b>City:</b> BUENOS AIRES	<b>Country:</b> AR
<b>Purchase Order:</b> NSI-1603	<b>RMA:</b> 31673910

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- As - Left Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit.



**Calibrated**

Cert # : EVL542343  
 Cal Date: 28-Mar-2019  
 S/N : 4173170  
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 Cert # : EVL542343  
 Date: 3/28/2019

Rick Powers  
 Issued By

Certificate Number: EVL542343

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020
16357	Fluke 8846A Digital Multimeter	18-Mar-2019	18-Mar-2020

Certificate Number: EVL542343

Date of Calibration: 28-Mar-2019

## Calibration Data

Parameter	Nominal Value	Measurement Result	Limits of Error	
			Lower Limit	Upper Limit





# Certificate of Calibration

ISO 9001:2015 (10100/2)

Everett Service Center

<b>Certificate Number:</b> EVL542342	<b>Replacement for:</b> EVL531823
<b>Data Type:</b> Found-Left	<b>Calibration Date:</b> 28-Mar-2019
<b>Result Summary:</b> In Tolerance	
<b>Manufacturer:</b> Fluke Networks	<b>Certificate Date:</b> 07-May-2019
<b>Model:</b> Mantis-5033	<b>Temperature:</b> 22.8 °C
<b>Serial Number:</b> 4173187	<b>Humidity:</b> 29.1 %
<b>Description:</b> DSX-Verification	
<b>Option(s):</b> IL/FEXT Artifact	
<b>Procedure:</b> ARTIIFACT CHARACTERIZATION	<b>Revision:</b> 1.1
<b>Customer:</b> VIDITEC S.A.	
<b>City:</b> BUENOS AIRES	<b>Country:</b> AR
<b>Purchase Order:</b> NSI-1603	<b>RMA:</b> 31673910

This calibration is traceable to the International System of Units (SI), through National Metrology Institutes (NIST, PTB, NRC, NPL, etc.), radiometric techniques, or natural physical constants. This certificate applies only to the item identified and shall not be reproduced other than in full, without the specific written approval by Fluke Corporation. Calibration certificates without signature are not valid. The calibration has been completed in accordance with Fluke Electronics Corporation Quality System Document 111.0 Revision 122 6/2018 and/or Fluke 17025 Quality Manual QSD 111.41 Revision 005 9/2014.

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- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit.



**Calibrated**

Cert #: EVL542342  
Cal Date: 28-Mar-2019

S/N: 4173187  
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Cert #: EVL542342  
Date: 3/28/2019

Rick Powers  
Issued By

Certificate Number: EVL542342

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
17694	Agilent E5071C Network Analyzer	15-Mar-2019	15-Mar-2020
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b> EVL542341	<b>Replacement for:</b> EVL531820
<b>Data Type:</b> Found-Left	<b>Calibration Date:</b> 28-Mar-2019
<b>Result Summary:</b> In Tolerance	
<b>Manufacturer:</b> Fluke Networks	<b>Certificate Date:</b> 07-May-2019
<b>Model:</b> Mantis-5032	<b>Temperature:</b> 22.8 °C
<b>Serial Number:</b> 4168277	<b>Humidity:</b> 29.1 %
<b>Description:</b> DSX-Verification	
<b>Option(s):</b> CMDM RL Artifact	
<b>Procedure:</b> ARTIFACT CHARACTERIZATION	<b>Revision:</b> 1.1
<b>Customer:</b> VIDITEC S.A.	
<b>City:</b> BUENOS AIRES	<b>Country:</b> AR
<b>Purchase Order:</b> NSI-1603	<b>RMA:</b> 31673910

This calibration is traceable to the International System of Units (SI), through National Metrology Institutes (NIST, PTB, NRC, NPL, etc.), radiometric techniques, or natural physical constants. This certificate applies only to the item identified and shall not be reproduced other than in full, without the specific written approval by Fluke Corporation. Calibration certificates without signature are not valid. The calibration has been completed in accordance with Fluke Electronics Corporation Quality System Document 111.0 Revision 122 6/2018 and/or Fluke 17025 Quality Manual QSD 111.41 Revision 005 9/2014.

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- As - Left Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit.



**Calibrated**

Cert # : EVL542341  
 Cal Date: 28-Mar-2019

S/N : 4168277  
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Cert #: EVL542341  
Date: 3/28/2019

Rick Powers  
Issued By

Certificate Number: EVL542341

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
17694	Agilent E5071C Network Analyzer	15-Mar-2019	15-Mar-2020
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b> EVL542340	<b>Replacement for:</b> EVL531819
<b>Data Type:</b> Found-Left	<b>Calibration Date:</b> 28-Mar-2019
<b>Result Summary:</b> In Tolerance	
<b>Manufacturer:</b> Fluke Networks	<b>Certificate Date:</b> 07-May-2019
<b>Model:</b> Mantis-5032	<b>Temperature:</b> 22.8 °C
<b>Serial Number:</b> 4173063	<b>Humidity:</b> 29.1 %
<b>Description:</b> DSX-Verification	
<b>Option(s):</b> CDNEXT Artifact	
<b>Procedure:</b> ARTIIFACT CHARACTERIZATION	<b>Revision:</b> 1.1
<b>Customer:</b> VIDITEC S.A.	
<b>City:</b> BUENOS AIRES	<b>Country:</b> AR
<b>Purchase Order:</b> NSI-1603	<b>RMA:</b> 31673910

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- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit



**Calibrated**

Cert # : EVL542340  
Cal Date: 28-Mar-2019

S/N : 4173063  
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www.fluke.com  
Cert #: EVL542340  
Date: 3/28/2019

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Issued By

Certificate Number: EVL542340

Date of Calibration: 28-Mar-2019

**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
17694	Agilent E5071C Network Analyzer	15-Mar-2019	15-Mar-2020
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020



# Certificate of Calibration

ISO 9001:2015 (10100/2)

## Everett Service Center

<b>Certificate Number:</b>	EVL542339	<b>Replacement for:</b>	EVL531822
<b>Data Type:</b>	Found-Left	<b>Calibration Date:</b>	28-Mar-2019
<b>Result Summary:</b>	In Tolerance	<b>Certificate Date:</b>	07-May-2019
<b>Manufacturer:</b>	Fluke Networks	<b>Temperature:</b>	22.8 °C
<b>Model:</b>	Mantis-5032	<b>Humidity:</b>	29.1 %
<b>Serial Number:</b>	4173002		
<b>Description:</b>	DSX-Verification		
<b>Option(s):</b>	TCL Artifact		
<b>Procedure:</b>	ARTIIFACT CHARACTERIZATION	<b>Revision:</b>	1.1
<b>Customer:</b>	VIDITEC S.A.		
<b>City:</b>	BUENOS AIRES	<b>Country:</b>	AR
<b>Purchase Order:</b>	NSI-1603	<b>RMA:</b>	31673910

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- As - Left Calibration data collected after the unit has been adjusted and / or repaired.
- Found-Left Calibration data collected without any adjustment and / or repair performed.

Measurement results greater than limits of error are indicated by '!'.

### Comments:

New unit.



**Calibrated**

Cert # : EVL542339  
 Cal Date: 28-Mar-2019  
 S/N : 4173002  
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www.fluke.com

Cert #: EVL542339  
Date: 3/28/2019

Rick Powers  
 Issued By

**Certificate Number:** EVL542339**Date of Calibration:** 28-Mar-2019**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
17694	Agilent E5071C Network Analyzer	15-Mar-2019	15-Mar-2020
J1506	Fluke 2626-S Probe	23-Jan-2019	23-Jan-2020