

# Certificate of Calibration

## Everett Service Center

<b>Certificate Number:</b> Sample Certificate Number		<b>Calibration Date:</b> 16-Mar-2021
<b>Data Type:</b> Found-Left		<b>Calibration Due:</b> 16-Mar-2022
<b>Result Summary:</b> In Tolerance		<b>Certificate Date:</b> 21-May-2021
<b>Manufacturer:</b> Fluke		<b>Temperature:</b> 22.6 °C
<b>Model:</b> 820-2		<b>Humidity:</b> 26.3 %
<b>Serial Number:</b> Sample Serial Number		
<b>Description:</b> Stroboscope		

<b>Procedure:</b> Sample Calibration Procedure	<b>Revision:</b> 1.0
<b>Customer:</b> Sample Customer Name	
<b>City:</b> Sample City	<b>Country:</b> Sample Country
<b>State:</b> Sample State	
<b>Purchase Order:</b> Sample PO	<b>RMA:</b> Sample
<b>Asset ID:</b> Customer requested asset #	

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 124 and/or Fluke 17025 Quality Manual QSD 111.41 Revision 007.

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.

This calibration conforms to the requirements of ANSI/NCSL Z540-1-1994 (R2002).

In the attached measurement results, deviation may be expressed with units, Measured Value (MV) - Nominal Value (NV) or as a proportion of the nominal value ((MV-NV)/NV), expressed without units with a scalar multiplier such as % (0.01), or as a ratio of the units (mA/A,  $\mu$ V/V, etc.) Descriptions such as  $\mu$ A/A,  $\mu$ V/V, and others, where used to annotate results or column headings are the preferred replacements for what was historically labeled as "ppm" or parts-per-million and described the results in that column, unless otherwise noted by units symbols.

Where applicable, the expanded uncertainty of measurement at the time of test is given in the following pages. They are calculated in accordance with the method described in the ISO Guide to the Expression of Uncertainty in Measurement (GUM). The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k, such that the confidence level approximates 95%.

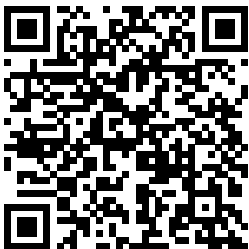
Where applicable, the Test Uncertainty Ratio (TUR) is provided in the following pages. Unless otherwise stated, the TUR for a given measurement result is 4:1 or greater.

Results are reviewed to establish where any measurement results exceeded the manufacturer's specifications.

Measurement results greater than limits of error are indicated by '!'. Marginal results are defined when measurement values are less than limits of error but are greater than an established adjustment threshold. Calibration data with marginal results are marked with an 'M' character.

### Comments:

Sample certificate comments



<b>Z540.1:1994</b>		Cert #: Sample Date: Sample Due: Sample www.fluke.com
Cert #:	Sample	
Cal Date:	Sample	
Due Date:	Sample	
S/N:	Sample	
www.fluke.com		

Sample Technician  
Calibration Technician

**Certificate Number:** Sample**Date of Calibration:** Sample**Standards Used**

<b>Asset</b>	<b>Description</b>	<b>Cal-Date</b>	<b>Cal-Due</b>
12177	Fluke 5520A Calibrator	17-Jul-2020	17-Apr-2021
11067	Philips PM6666 Programmable Timer/Counter	30-Jul-2020	30-Jul-2021

**Certificate Number:** Sample

**Date of Calibration:** Sample

**Calibration Data**

Parameter	Nominal Value	Measurement Result	Limits of Error		Test Uncertainty Ratio (TUR)
			Lower Limit	Upper Limit	
External Trigger Test		Pass			
5000 Hz	5000	5000.2	4999.0	5001.0	
2560 Hz	2560	2559.9	2559.5	2560.5	
1280 Hz	1280	1280.0	1279.7	1280.3	
640 Hz	640.0	640.00	639.87	640.13	
10 Hz	10.0	10.00	10.00	10.00	