

Reference	Fluke	Calibration date	July 04 2019
Ref P/N	732B	Ambient Temperature	23.37 °C
Serial	6480002	Relative Humidity	26.13 %
ID Number	XPR1	Pressure	1004.38 hPa
Notes	Test 4W, TRUEOHM, DEL1, CHA/CHB spade cables	Test type	Automatic ratio

Reference standard	Mfg	Model	Options	Serial / Unc	CEID	Calibration date	Due date
DC STD	Fluke	732B	10.0000152 V	6480002	E190337B	05/30/2019	11/30/2019
DMM	Fluke	8508A	001	DNS		04/16/2014	04/16/2015

xDevs.com certifies that this calibration used standards whose accuracies are traceable to the SI, through National Measurement Laboratory. Actual measurement uncertainty available upon request was calculated using the expanded method and is expressed in values at approximately the 95% confidence level using a coverage factor of K=2.

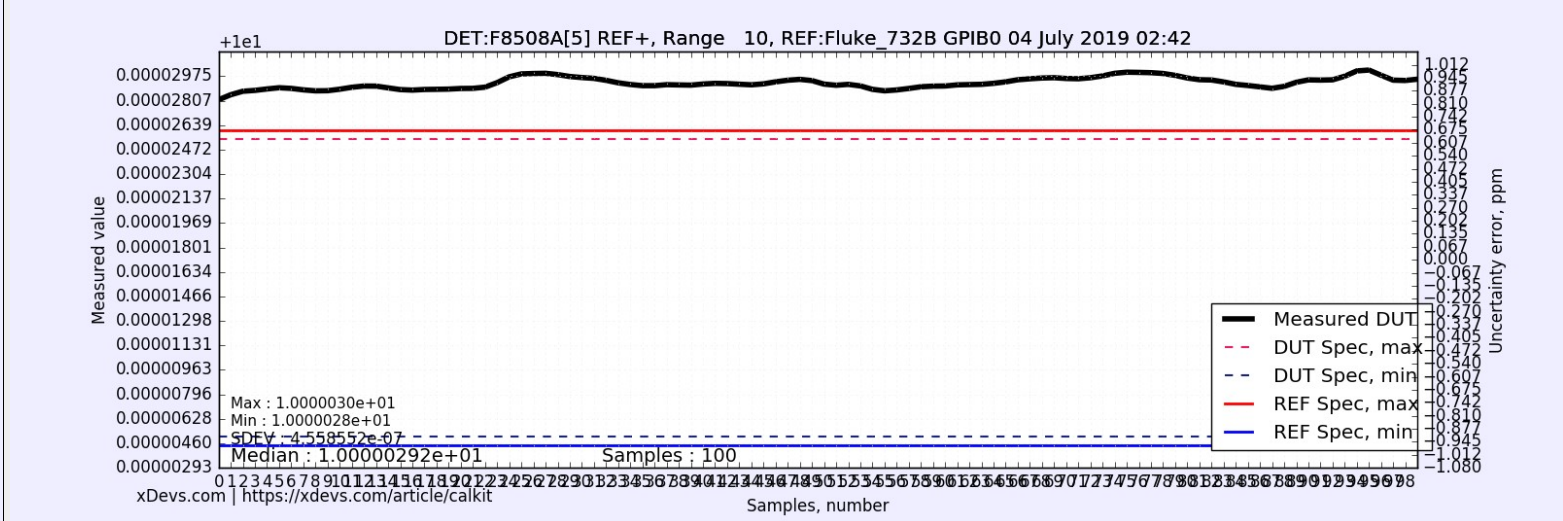
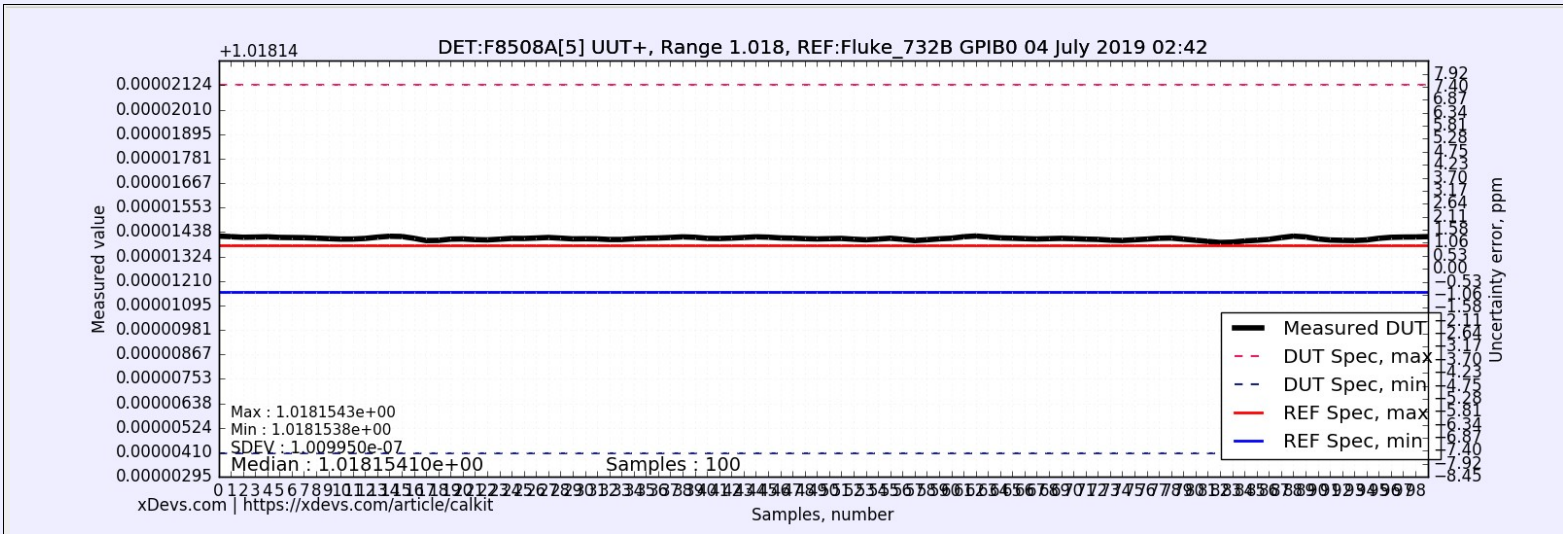
Certificate statements are based on test results within specified limits without reduction of the uncertainty of the test and/or measurement. The test and measurement data here relate only to the item tested and/or measured. Unit acceptance of failure includes uncertainty data compilation. Calibration due date that appears on the Certificate of Calibration and labels are determined by the customer and does not imply conformance to a standard.

UUT output transferred by manual ratiometric measurement with reference standard. Fixed range is used on the Fluke 8508/001 detector. The following test use 10 minute transfer specification with Fluke 732B output source as reference. Gain verified for stability ± 0.05 ppm over the test period. Detector DC voltage offset is DUT is nulled prior to the measurement.

Configuration : Battery power STD, NPLC100, NDIG8, Guard is open.

	Measurement	Unit	Uncertainty	Standard Deviation	DUT Spec / Δ	Degree of freedom / Notes
Transfer reference output	10.0000152	VDC	± 0.020 ppm			
Reference measured output (+)	10.0000293	VDC	± 0.340 ppm	$\sigma = 4.2710e-01 \mu\text{VDC}$	$\Delta = 1.406$ ppm	100
Reference calculated +/-	10.0000293	VDC	± 0.340 ppm		$\Delta = 1.406$ ppm	
Detector zero offset	0.0000000	VDC		$\sigma = 1.0000e-03 \mu\text{VDC}$		
UUT measured output (+)	1.0181541	VDC	± 2.457 ppm	$\sigma = 9.9439e-02 \mu\text{VDC}$		100
Ratio positive polarity	0.10181511		± 2.797 ppm			Inf
UUT calculated output (+)	1.0181527	VDC	± 2.817 ppm		$\Delta = 0.000$ ppm	
UUT calculated EMF (Linear)	1.0181527	VDC	± 2.817 ppm		0.1%	In spec
UUT calculated EMF (RSS)	1.0181527	VDC	± 2.797 ppm		0.1%	In spec

Statistics image data



Test procedure : \$Id: xfer_dcw.py | Rev 1458 | 2019/07/03 15:45:16 clu \$

Lab temperature maintained +23°C $\pm 1^\circ\text{C}$

xDevs.com Confidential

2019 © cal.equipment