

Reference	Fluke	Calibration date	July 06 2019
Ref P/N	5720A/H1	Ambient Temperature	24.54 °C
Serial	H1	Relative Humidity	27.48 %
ID Number	XFER 752A 1:10	Pressure	999.12 hPa
Notes	Test DCV via 752A, CHA/CHB spade cables	Test type	Automatic ratio

Reference standard	Mfg	Model	Options	Serial / Unc	CEID	Calibration date	Due date
MFC	Fluke	5720A/H1	10 VDC	N/A	N/A	06/15/2019	12/15/2019
DMM	Datron	1281	10,20,30,70,90	N/A	XD8	06/06/2019	12/06/2019

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.

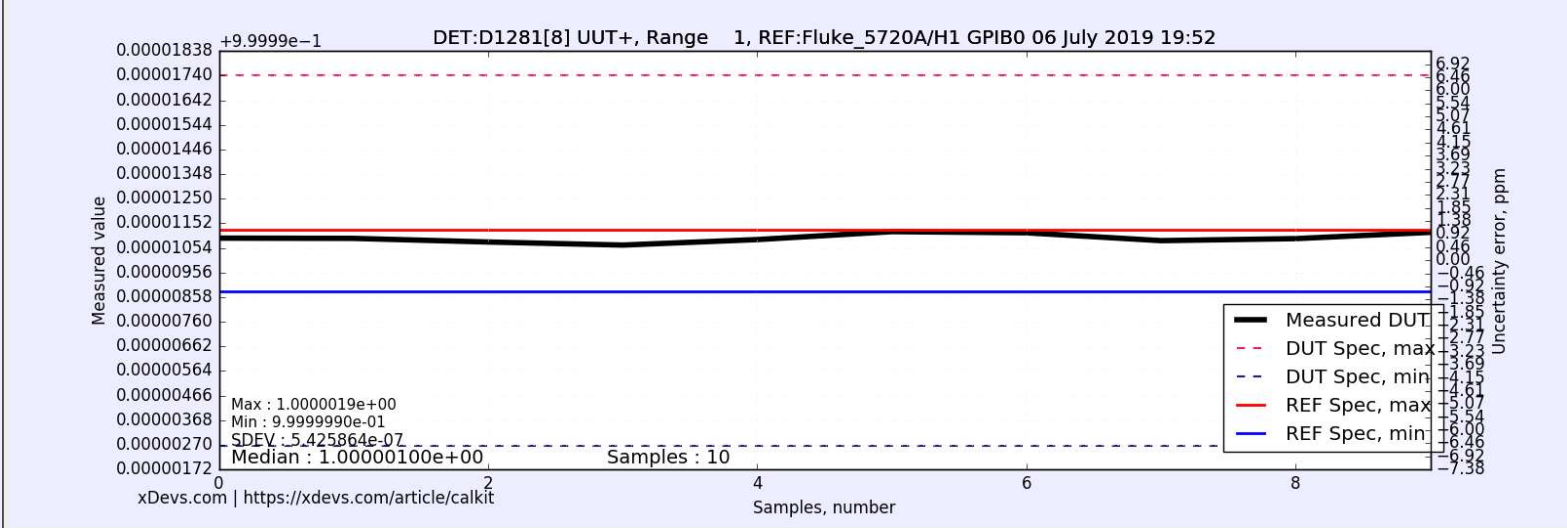
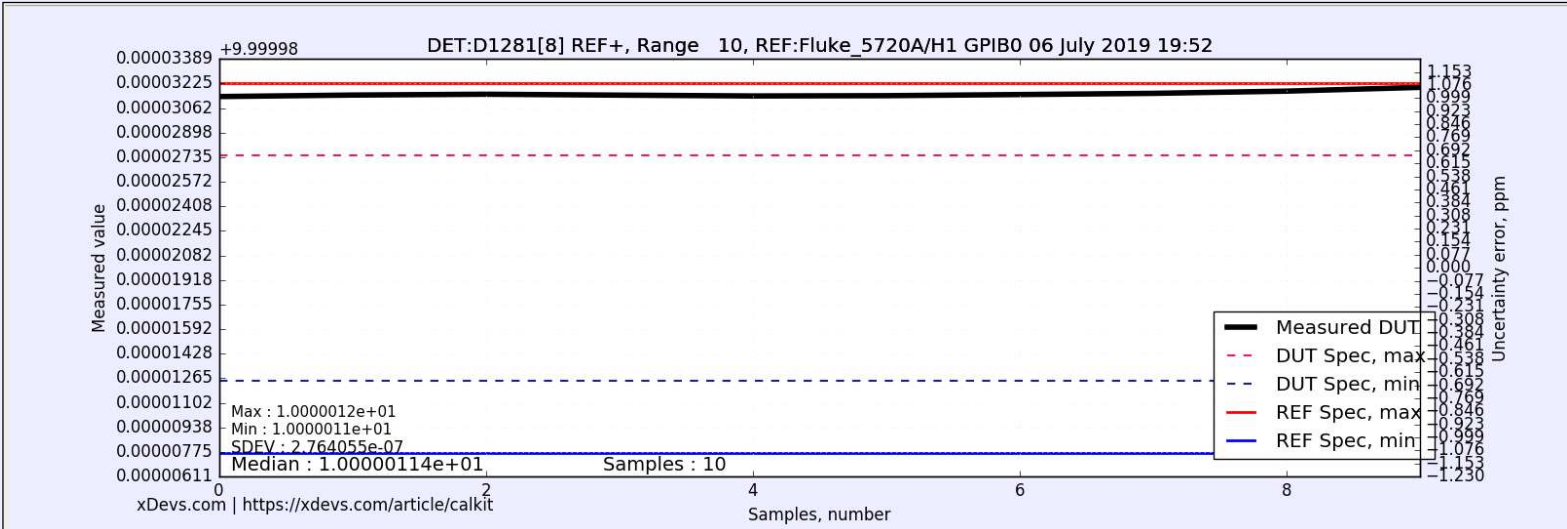
Certificate statements are based on test results within specified limits without reduction of the uncertainty of the test and/or measurement. The test and measurement data here relate only to the item tested and/or measured. Unit acceptance of failure includes uncertainty data compilation. Calibration 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 1.000e+01 range is used on the Datron 1281 detector. The following test use 10 minute transfer specification with Fluke 5720A/H1 output source as reference. Gain verified for stability ±0.10 ppm over the test period. Detector zero offset is DUT is nulled prior to the measurement.

Configuration : RESL8, FILT_OFF, FAST_OFF, RemGuard is enabled.

	Measurement	Unit	Uncertainty	Standard Deviation	DUT Spec / Δ	Degree of freedom / Notes
Transfer reference output	10.0000000	VDC	±0.160 ppm			
Reference measured output (+)	10.0000115	VDC	±0.250 ppm	$\sigma = 3.382307e-07$ VDC	$\Delta = 1.150$ ppm	10
Reference calculated +/-	10.0000115	VDC	±0.250 ppm		$\Delta = 1.150$ ppm	
Detector zero offset	0.0000000	VDC		$\sigma = 1.000000e-09$ VDC		
UUT measured output (+)	1.0000012	VDC	±2.050 ppm	$\sigma = 6.523803e-07$ VDC		10
Ratio positive polarity	0.1000000		±2.300 ppm			Inf
UUT calculated output (+)	1.0000000	VDC	±2.460 ppm		$\Delta = 0.000$ ppm	
Temperature Δ	0.010	°C	±1.00 %		±1.0 °C	
UUT previous data	1.0000000	VDC	±0.500 ppm			Report
Deviation from previous	0.050 ppm	VDC	±2.359 ppm			
UUT transfer result (Linear)	1.0000000	VDC	±2.460 ppm		0.1%	In spec
UUT transfer result (RSS)	1.0000000	VDC	±2.306 ppm		0.1%	In spec

Statistics image data



RAW data	Result
Array Ref P	[10.0000113, 10.0000115, 10.0000117, 10.0000114, 10.0000114, 10.0000114, 10.0000115, 10.0000117, 10.0000114, 10.0000123]
Array Ref N	[]
Array UUT P	[1.0000009, 1.000001, 1.000001, 1.0000001, 1.000001, 1.0000012, 1.0000019, 0.9999999, 1.0000011, 1.0000013]
Array UUT N	[]

Histogramm

