

Manufacturer	Fluke/xDevs.com	Calibration date	July 02 2019
Model Number	792X	Ambient Temperature	21.98 °C
Serial	102	Relative Humidity	26.70 %
ID Number	10V output	Pressure	1002.89 hPa
Notes	Test front pBort, spade cables	Test type	Manual 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	HP	3458A	001,X02	X	XD3	06/16/2019	12/16/2019

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 range is used on the Keysight 3458A/X02 detector. The following test use 10 minute transfer specification with 732B 10V output source as reference. 3458A 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	Test Status
Transfer reference output	10.0000152	VDC	±0.020 ppm		0.300 ppm	In spec
Reference measured output (+)	10.00001595	VDC	±0.100 ppm	σ = 0.2797 μVDC	Δ = 0.071 ppm	
Reference measured output (-)	-10.00001628	VDC	±0.100 ppm	σ = 0.3074 μVDC	Δ = 0.104 ppm	
Reference calculated EMF	10.00001612	VDC	±0.100 ppm		Δ = 0.087 ppm	
Detector zero offset	0.00000000	VDC		σ = 0.0000 μVDC		
UUT measured output (+)	9.99997934	VDC	±0.100 ppm	σ = 0.2971 μVDC		
UUT measured output (-)	-9.99997936	VDC	±0.100 ppm	σ = 0.3901 μVDC		
Ratio positive polarity	0.99999634	VDC	±0.200 ppm			
Ratio negative polarity	0.99999631	VDC	±0.200 ppm			
UUT calculated output (+)	9.99997864	VDC	±0.220 ppm		Δ = 0.016 ppm	
UUT calculated output (-)	-9.99997832	VDC	±0.220 ppm		Δ = -0.016 ppm	
UUT calculated EMF (Linear)	9.99997848	VDC	±0.220 ppm		0.1%	In spec
UUT calculated EMF (RSS)	9.99997848	VDC	±0.201 ppm		0.1%	In spec

Statistics image data





