## Fluke 732B

| Reference | Fluke \| |  | Calibration date August 092020 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ref P/N | 792X |  | $\begin{array}{r} \text { Ambient } \\ \text { Temperature } \end{array} 22.29^{\circ} \mathrm{C}$ |  |  |  |  |  |
| Serial | X102 |  | Relative Humidity 47.83 \% |  |  |  |  |  |
| ID Number | Niko's |  | Pressure 1015.38 hPa |  |  |  |  |  |
| Notes Sub xfer, battery powered SSVR |  |  | Test type Front spade lug terminals |  |  |  |  |  |
| Reference sta | tandard | Mfg | Model | Options | Serial / Unc | CEID | Calibration date | Due date |
| SSVR STD |  | Fluke/xDevs.com | 792X | 9.9999728 VDC | X102 | A3525075 | 03/03/2020 | 03/03/2021 |
| DMM |  | HP | 3458A | 001,X02 | MY45040325 | XD2 LN | 03/18/2020 | 09/18/2020 |

 using the expanded method and is expressed in values at approximately the $95 \%$ confidence level using a coverage factor of $\mathrm{K}=2$.
 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
 test period. Detector zero 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 / $\triangle$ | Degree of freedom / Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Transfer reference output | 9.9999728 | VDC | $\pm 0.400 \mathrm{ppm}$ |  |  |  |
| Reference measured output (+) | 9.9999853 | VDC | $\pm 0.100 \mathrm{ppm}$ | $\sigma=1.790449 \mathrm{e}-07 \mathrm{VDC}$ | $\Delta=1.254 \mathrm{ppm}$ | 25 |
| Reference measured output (-) | -9.9999841 | VDC | $\pm 0.100 \mathrm{ppm}$ | $\sigma=2.164381 \mathrm{e}-07 \mathrm{VDC}$ | $\Delta=1.133 \mathrm{ppm}$ | 25 |
| Reference calculated +/- | 9.9999847 | VDC | $\pm 0.100 \mathrm{ppm}$ |  | $\Delta=1.194 \mathrm{ppm}$ |  |
| Detector zero offset | -0.0000000 | VDC |  | $\sigma=0.000000 \mathrm{e}+00 \mathrm{VDC}$ |  |  |
| UUT measured output (+) | 9.9999731 | VDC | $\pm 0.100 \mathrm{ppm}$ | $\sigma=2.993094 \mathrm{e}-07 \mathrm{VDC}$ |  | 25 |
| UUT measured output (-) | -9.9999716 | VDC | $\pm 0.100 \mathrm{ppm}$ | $\sigma=0.1144 \mu \mathrm{VDC}$ |  | 25 |
| Ratio positive polarity | 0.99999878 |  | $\pm 0.200 \mathrm{ppm}$ |  |  | Inf |
| Ratio negative polarity | 0.99999875 |  | $\pm 0.200 \mathrm{ppm}$ |  |  | Inf |
| UUT calculated output (+) | 9.9999606 | VDC | $\pm 0.600 \mathrm{ppm}$ |  | $\Delta=0.014 \mathrm{ppm}$ |  |
| UUT calculated output (-) | -9.9999603 | VDC | $\pm 0.600 \mathrm{ppm}$ |  | $\Delta=-0.014 \mathrm{ppm}$ |  |
| Temperature $\Delta$ | 0.155 | ${ }^{\circ} \mathrm{C}$ | $\pm 1.00$ \% |  | $\pm 1.0{ }^{\circ} \mathrm{C}$ |  |
| UUT previous data | 9.9999687 | VDC | $\pm 2.000 \mathrm{ppm}$ |  |  | Report |
| Deviation from previous | -0.825 ppm | VDC | $\pm 2.049 \mathrm{ppm}$ |  |  |  |
| UUT transfer result (Linear) | 9.9999605 | VDC | $\pm 0.600 \mathrm{ppm}$ |  | 0.1\% | In spec |
| UUT transfer result (RSS) | 9.9999605 | VDC | $\pm 0.447 \mathrm{ppm}$ |  | 0.1\% | In spec |

Statistics image data





[^0]| RAW data | Result |
| :---: | :---: |
| Array Ref P | [9.999985112, $9.999985165,9.999985165,9.999985305,9.999985235,9.999985252,9.999985042,9.999985077,9.99998527,9.999985375,9.999984972$, $9.99998513,9.999985077,9.99998527,9.999985603,9.999985393,9.999985393,9.99998534,9.999985533,9.99998534,9.999985428,9.999985498,9.99998555$, 9.99998548, 9.999985182] |
| Array Ref N | $[-9.999984745,-9.999984832,-9.999984885,-9.999985077,-9.999984394,-9.999984412,-9.999984359,-9.999984359,-9.999984324,-9.999984184,-9.999984062$, $-9.999984044,-9.999984079,-9.999984394,-9.999984114,-9.999984149,-9.999984377,-9.999984692,-9.999984009,-9.999984114,-9.999983974,-9.999984114$, $-9.999984009,-9.999983694,-9.999984429]$ |
| Array UUT P | [9.999973135, 9.999972942, 9.999973153, 9.999972995, 9.99997275, 9.999973083, 9.999973135, 9.999972802, 9.999972802, 9.999972855, 9.99997282, $9.999973048,9.999973135,9.999972802,9.999972977,9.9999731,9.999973275,9.999973118,9.999973345,9.99997331,9.99997338,9.999973468,9.999973818$, 9.999973678, 9.999973643] |
| Array UUT N | [-9.999971979, -9.999971664, -9.999971734, -9.999971454, -9.999971489, -9.999971629, -9.999971734, -9.999971787, -9.999971472, -9.999971699, -9.999971612, $-9.999971717,-9.999971769,-9.999971717,-9.999971612,-9.999971857,-9.999971647,-9.999971717,-9.999971507,-9.999971647,-9.999971647,-9.999971752$, $-9.999971507,-9.999971472,-9.999971437]$ |

Histogram






[^0]:    Test procedure : \$Id: xfer dcv.py | Rev 1683 | 2020/03/10 05:59:56 tin fpga \$

