

Gauge Repeatability and Reproducibility Data Sheet

| | |
|-------------|---|
| Appraisers | 2 |
| Replicates | 2 |
| Sample size | 5 |

Gauge / Equip. ID: Pro scan
 Parameter/Characteristic: temperature

Study Date: feb/12 / 2023

| APPRAISER/ TRIAL # | PART | | | | | | | | | | AVERAGE |
|-----------------------|---|---------|---------------|---------|---------------|---------|---------|---------|---------|---------|--------------------------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | |
| 1 | 36.700 | 36.400 | 36.600 | 36.600 | 36.400 | | | | | | 36.540 |
| 2 | 36.700 | 36.700 | 36.800 | 36.700 | 36.700 | | | | | | 36.720 |
| 3 | | | | | | | | | | | #DIV/0! |
| 4. Average | 36.700 | 36.550 | 36.700 | 36.650 | 36.550 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 36.6300 |
| 5. Range | 0.000 | 0.300 | 0.200 | 0.100 | 0.300 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.180 |
| 6. | 36.600 | 36.500 | 36.700 | 36.500 | 36.500 | | | | | | 36.560 |
| 7. 2 | 36.700 | 36.500 | 36.600 | 36.600 | 36.700 | | | | | | 36.620 |
| 8. 3 | | | | | | | | | | | #DIV/0! |
| 9. Average | 36.650 | 36.500 | 36.650 | 36.550 | 36.600 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | 36.5900 |
| 10. Range | 0.100 | 0.000 | 0.100 | 0.100 | 0.200 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.100 |
| 11. | | | | | | | | | | | #DIV/0! |
| 12. 2 | | | | | | | | | | | #DIV/0! |
| 13. 3 | | | | | | | | | | | #DIV/0! |
| 14. Average | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| 15. Range | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 16. Part Average | 36.675 | 36.525 | 36.675 | 36.600 | 36.575 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | $\bar{X} = 36.6100$ $R_p = 0.150$ |
| 17. | $\bar{R} = a$ | 0.1800 | $\bar{R} = b$ | 0.1000 | $\bar{R} = c$ | 0.0000 | | | | | $\bar{R} = 0.14$ |
| 18. | $(\text{Max } \bar{X} = 36.630) - (\text{Min } \bar{X} = 36.590) = X_{\text{diff}}$ | | | | | | | | | | 0.04 |
| 19. | | | | | | | | | | | |
| 20. | | | | | | | | | | | |