

**This is a report which describes the comparison between the sensor MLX90614 and medical thermometer.**

**We will be comparing the core body temperature with the readings from sensor at different distance.**

**Terms Used:**

CBT - Core Body Temperature (data from medical thermometer)

MLX - data from MLX90614 sensor measured on hand.

SI NO	CBT	MLX at 1cm	MLX at 2cm	MLX at 3cm
1	36.9	34.97	34.51	34.07
2	36.8	34.93	34.73	34.23
3	36.8	34.6	34.26	34.06

SI NO	MLX at 4cm	MLX at 5cm	MLX at 6cm	MLX at 7cm
1	34.07	33.73	33.47	33.25
2	33.79	33.71	33.29	33.13
3	33.97	33.88	33.56	33.2

SI NO	MLX at 8cm	MLX at 9cm	MLX at 10cm	MLX at 11cm
1	32.89	32.55	32.35	32.25
2	32.85	32.71	32.33	32.11
3	32.92	32.72	32.56	32.34