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QUALIFICATION REPORT – ANSI/ESD S20.20

SCS SINGLE-WIRE ADJUSTABLE FABRIC WRIST STRAP

| ANSI/ESD S20.20 | SCS Test Results | Test Methods |
|-----------------|------------------|--------------|
|-----------------|------------------|--------------|

Resistance (ohms), N=6 specimens, 10V-100V

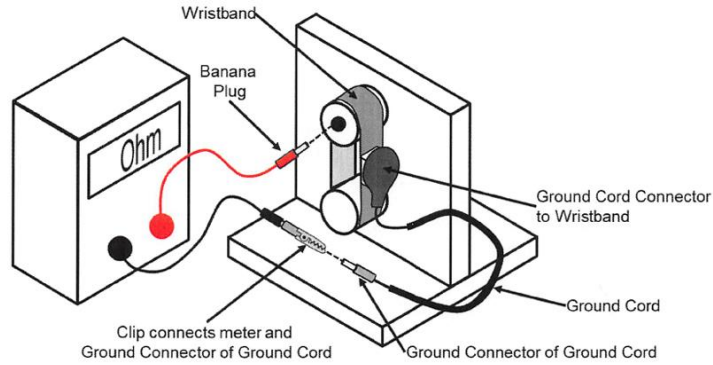
| | | | |
|------------------------------------|------------------------------------------------|-------------|------------------------------|
| Wrist Strap (Band and cord) | 0.8 x 10 ⁶ to 1.2 x 10 ⁶ | See Table 1 | ANSI/ESD S1.1 (Section 6.1) |
| Wristband Interior | < 1.0 x 10 ⁵ | See Table 1 | ANSI/ESD S1.1 (Section 6.2) |
| Wristband Exterior | > 1.0 x 10 ⁷ | See Table 1 | ANSI/ESD S1.1 (Section 6.2) |
| Wrist Strap System | < 3.5 x 10 ⁷ | See Table 1 | ANSI/ESD S1.1 (Section 6.10) |

Test Data:

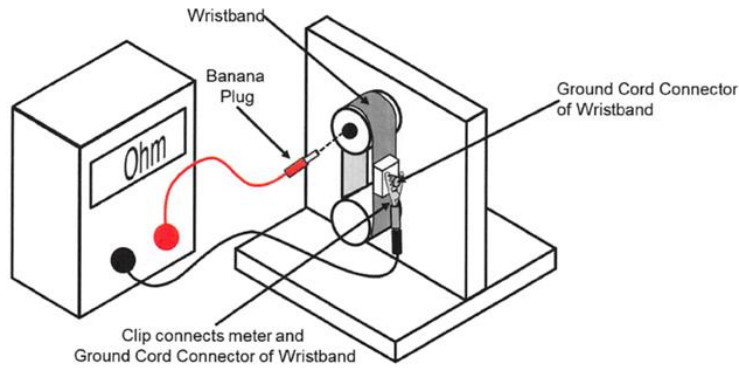
Table 1 – Resistance (ohms)

| | Sample #1 | Sample #2 | Sample #3 | Sample #4 | Sample #5 | Sample #6 |
|-------------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Wrist Strap ANSI/ESD S1.1 – Figure 2 | 1.19 x 10 ⁶ | 1.15 x 10 ⁶ | 1.16 x 10 ⁶ | 1.16 x 10 ⁶ | 1.16 x 10 ⁶ | 1.16 x 10 ⁶ |
| Wristband Interior ANSI/ESD S1.1 – Figure 4 | <1.0 x 10 ³ | <1.0 x 10 ³ | <1.0 x 10 ³ | <1.0 x 10 ³ | <1.0 x 10 ³ | <1.0 x 10 ³ |
| Wristband Exterior ANSI/ESD S1.1 – Figure 4 | 8.03 x 10 ¹¹ | 5.40 x 10 ¹¹ | 5.66 x 10 ¹¹ | 1.55 x 10 ¹¹ | 2.87 x 10 ¹¹ | 1.75 x 10 ¹¹ |
| Wrist Strap System ANSI/ESD S1.1 – Figure 8 | 1.28 x 10 ⁶ | 1.25 x 10 ⁶ | 1.25 x 10 ⁶ | 1.25 x 10 ⁶ | 1.29 x 10 ⁶ | 1.25 x 10 ⁶ |

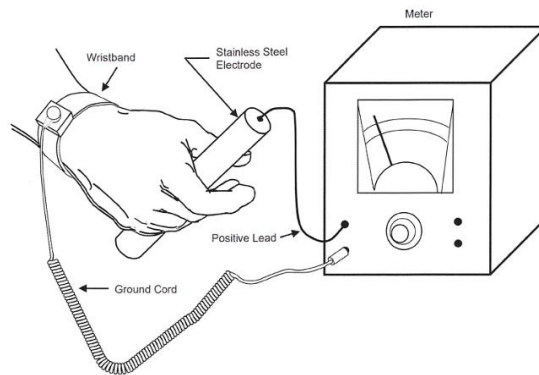
References:



ANSI/ESD S1.1 – Figure 2: Set-up for Wrist Strap Resistance Test



ANSI/ESD S1.1 – Figure 4: Set-up for Wristband Resistance Test



ANSI/ESD S1.1– Figure 8: Wrist Strap System Resistance Test