

UNITED Static Control Products

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PHONE (719) 676-3928 | WEB: <https://Store.unitedesd.com>

QUALIFICATION REPORT – ANSI/ESD S20.20

Product: 108-AS ESD Wrist Strap

ANSI/ESD S20.20	UNITED Test Results	Test Methods
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Resistance (ohms), N=6 specimens, 10V-100V

Wrist Strap (Band and Cord)	0.8×10^6 to 1.2×10^6	See Table 1	ANSI/ESD S1.1 (Section 6.1)
Wristband Interior	$< 1.0 \times 10^5$	See Table 1	ANSI/ESD S1.1 (Section 6.2)
Wristband Exterior	$> 1.0 \times 10^7$	See Table 1	ANSI/ESD S1.1 (Section 6.2)
Wrist Strap System	$< 3.5 \times 10^7$	See Table 1	ANSI/ESD S1.1 (Section 6.10)

Test Data:

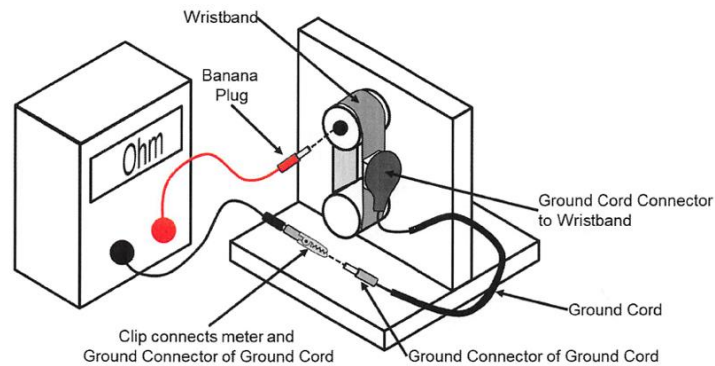
Table 1 – Resistance (ohms)

	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6
Wrist Strap ANSI/ESD S1.1 – Figure 2	1.0×10^6	1.0×10^6	1.0×10^6	1.0×10^6	1.0×10^6	1.0×10^6
Wristband Interior ANSI/ESD S1.1 – Figure 4	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$
Wristband Exterior ANSI/ESD S1.1 – Figure 4	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$	$> 1 \times 10^{10}$
Wrist Strap System ANSI/ESD S1.1 – Figure 8	1.34×10^6	1.21×10^6	1.01×10^6	1.33×10^6	1.53×10^6	1.57×10^6

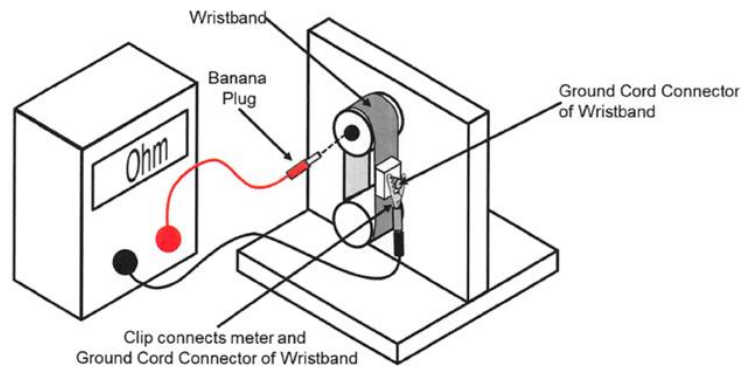
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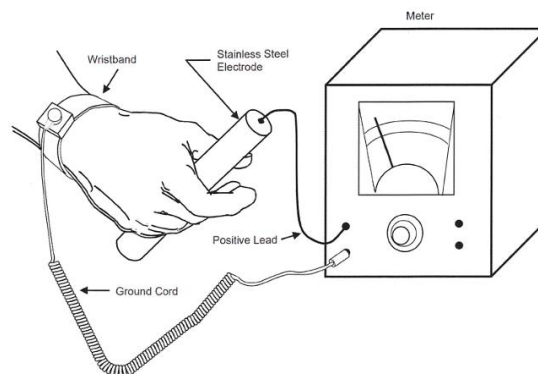
References:



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

Revision History
Original release 8/24/2025