

# DESCO INDUSTRIES INCORPORATED

3651 WALNUT AVENUE, CHINO CA 91710  
PHONE (909) 627-8178 | WEB DescoIndustries.com

## QUALIFICATION REPORT – ANSI/ESD S20.20

### DESCO PREMIUM METAL EXPANSION WRISTBAND

ANSI/ESD S20.20	DESCO Test Results	Test Methods
-----------------	--------------------	--------------

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

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

#### Test Data:

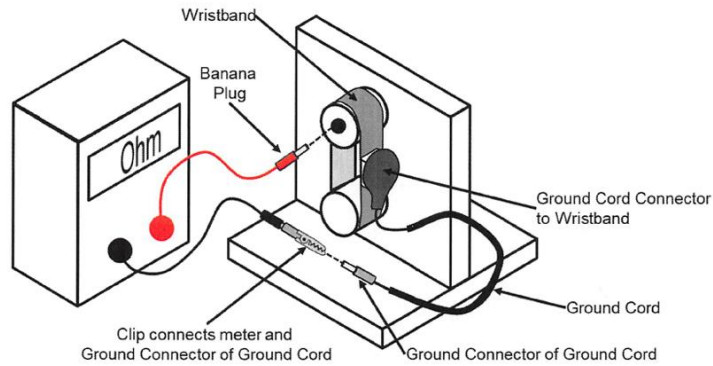
Table 1 – Resistance (ohms)

	Sample #1	Sample #2	Sample #3	Sample #4	Sample #5	Sample #6
<b>Wrist Strap</b> ANSI/ESD S1.1 – Figure 2	$9.73 \times 10^5$	$9.43 \times 10^5$	$9.53 \times 10^5$	$9.53 \times 10^5$	$9.86 \times 10^5$	$9.60 \times 10^5$
<b>Wristband Interior</b> ANSI/ESD S1.1 – Figure 4	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$	$< 1.0 \times 10^3$
<b>Wristband Exterior</b> ANSI/ESD S1.1 – Figure 4	$3.59 \times 10^{10}$	$2.37 \times 10^{10}$	$2.05 \times 10^{10}$	$3.11 \times 10^{10}$	$4.26 \times 10^{10}$	$6.87 \times 10^{10}$
<b>Wrist Strap System</b> ANSI/ESD S1.1 – Figure 8	$1.22 \times 10^6$	$1.24 \times 10^6$	$1.21 \times 10^6$	$1.24 \times 10^6$	$1.22 \times 10^6$	$1.25 \times 10^6$

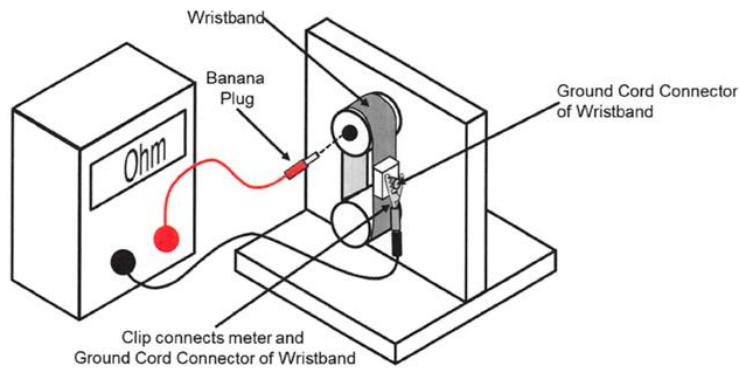
# DESCO INDUSTRIES INCORPORATED

3651 WALNUT AVENUE, CHINO CA 91710  
PHONE (909) 627-8178 | WEB DescoIndustries.com

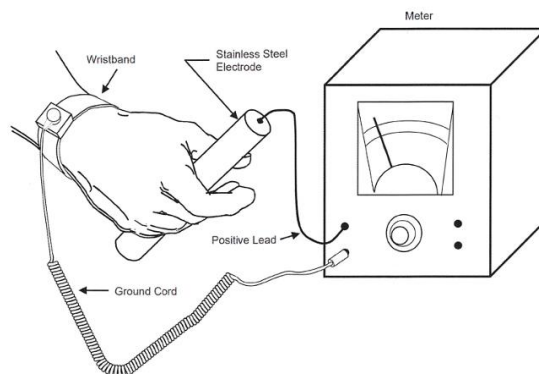
## References:



**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**