



DESCO INDUSTRIES INC

926 JR INDUSTRIAL DRIVE, SANFORD, NC 27332 • PHONE (919) 718-0000 | (909) 627-9634 • StaticControl.com

QUALIFICATION REPORT – ANSI/ESD S20.20

SCS JACKET WITH KNITTED CUFFS, 3 POCKETS, NO COLLAR

ANSI/ESD S20.20	SCS Test Results	Test Methods
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Rpp (Resistance Point-to-Point) (ohms), 48-72 hours, 10V/100V, N=3 specimens

@ 12%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1
@ 50%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1

Rpgp (Resistance Point-to-Groundable-Point) (ohms), 48-72 hours, 10V/100V, N=3 specimens

@ 12%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1
@ 50%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1

System – BCP to Gp (ohms), 48-72 hours, 10V/100V, N=3 specimens

(End users should verify system performance in their unique settings.)

@ 12%RH, 23°C	< 3.5 x 10 ⁷	See Table 1	ANSI/ESD STM2.1
@ 50%RH, 23°C	< 3.5 x 10 ⁷	See Table 1 For typical values	ANSI/ESD STM2.1

System – Person to Gp (ohms), 100V, N=3 specimens

(End users should verify system performance in their unique settings.)

@ 61%RH, 23°C	< 3.5 x 10 ⁷	See Table 1 For typical values	ANSI/ESD STM2.1
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Test Equipment (Calibration records and test results are located at our corporate lab (Sanford, NC)):

For Test Method ANSI/ESD STM2.1:

- ETS Controlled Environment Chamber (Model 5532)
- SCS Surface Resistance Meter (Model 770761)
- DESCO Electrode, 5 lbs. (Model 50784)

Test Conditions:

Environment	Moderate	Low
Humidity	50%RH	12%RH
Temperature	23°C	23°C



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Test Data:

Table 1 – Resistance Results at Moderate and Low Test Conditions, 48 – 72 pre-conditioning hours

Test Type	Test Location	Sample#1		Sample#2		Sample#3	
		Moderate	Low	Moderate	Low	Moderate	Low
Rpp	LS to LFP	7.55 x 10 ⁵	5.62 x 10 ⁵	8.25 x 10 ⁵	7.87 x 10 ⁵	8.48 x 10 ⁵	6.02 x 10 ⁵
	LS to RFP	1.51 x 10 ⁶	1.05 x 10 ⁶	1.27 x 10 ⁶	1.11 x 10 ⁶	1.32 x 10 ⁶	9.80 x 10 ⁵
	LS to LBP	8.78 x 10 ⁵	7.87 x 10 ⁵	8.25 x 10 ⁵	8.43 x 10 ⁵	9.15 x 10 ⁵	8.78 x 10 ⁵
	LS to RBP	1.63 x 10 ⁶	8.90 x 10 ⁵	1.02 x 10 ⁶	1.20 x 10 ⁶	1.15 x 10 ⁶	9.66 x 10 ⁵
	LS to RS	1.25 x 10 ⁶	8.09 x 10 ⁵	8.54 x 10 ⁵	8.54 x 10 ⁵	1.06 x 10 ⁶	8.84 x 10 ⁵
	BCP to BCP	8.54 x 10 ⁵	8.37 x 10 ⁵	7.81 x 10 ⁵	7.65 x 10 ⁵	6.36 x 10 ⁵	8.84 x 10 ⁵
Rppg	LS to Gp	2.05 x 10 ⁶	1.63 x 10 ⁶	1.84 x 10 ⁶	2.08 x 10 ⁶	1.96 x 10 ⁶	1.90 x 10 ⁶
	LFP to Gp	1.78 x 10 ⁶	1.59 x 10 ⁶	1.87 x 10 ⁶	1.65 x 10 ⁶	2.18 x 10 ⁶	1.71 x 10 ⁶
	RFP to Gp	1.48 x 10 ⁶	1.29 x 10 ⁶	1.42 x 10 ⁶	1.33 x 10 ⁶	1.48 x 10 ⁶	1.41 x 10 ⁶
	LBP to Gp	2.11 x 10 ⁶	1.44 x 10 ⁶	1.56 x 10 ⁶	1.80 x 10 ⁶	1.78 x 10 ⁶	1.83 x 10 ⁶
	RBP to Gp	1.52 x 10 ⁶	1.34 x 10 ⁶	1.44 x 10 ⁶	1.34 x 10 ⁶	1.54 x 10 ⁶	1.44 x 10 ⁶
	RS to Gp	1.19 x 10 ⁶	1.18 x 10 ⁶	1.15 x 10 ⁶	1.14 x 10 ⁶	1.17 x 10 ⁶	1.19 x 10 ⁶
	BCP to Gp	1.09 x 10 ⁶	1.15 x 10 ⁶	1.03 x 10 ⁶	1.02 x 10 ⁶	1.05 x 10 ⁶	1.04 x 10 ⁶
System	BCP to Gp*	1.59 x 10 ⁶	1.59 x 10 ⁶	1.40 x 10 ⁶	1.46 x 10 ⁶	1.59 x 10 ⁶	1.44 x 10 ⁶
	Person to Gtp**	1.29 x 10 ⁶		1.40 x 10 ⁶		1.31 x 10 ⁶	

** Test date: Low environment: 2023-07-14. Moderate environment: 2023-07-21

*** Test date: 2023-06-27

Reference:

Test Location		Test Type	
LS	Left Sleeve	Rpp	Resistance point-to-point
RS	Right Sleeve	Rppg	Resistance point-to-groundable point
LFP	Left Front Panel	System	Resistance in combination with a person
RFP	Right Front Panel		
LBP	Left Back Panel		
RBP	Right Back Panel		
BCP	Body Contact Point		
Gp	Garment Groundable Point		
Gtp	Ground Termination Point		