
TABLE OF CONTENTS

1.0 PURPOSE, SCOPE, AND APPLICATION	1
1.1 PURPOSE	1
1.2 SCOPE	1
1.3 APPLICATION	1
2.0 REFERENCED PUBLICATIONS	2
3.0 DEFINITIONS	2
4.0 SAFETY REQUIREMENTS	2
4.1 ELECTRICAL – GENERAL	2
4.2 ELECTRICAL – AUTOMATIC HANDLING EQUIPMENT.....	2
4.3 ENVIRONMENTAL	3
5.0 MEASUREMENT EQUIPMENT	3
5.1 RESISTANCE MEASUREMENTS – APPARATUS	3
5.2 CHARGE ACCUMULATION MEASUREMENTS.....	3
6.0 TEST PROCEDURES – RESISTANCE MEASUREMENTS	4
6.1 TEST PREPARATIONS – 24 HOURS PRIOR TO MEASUREMENTS	4
6.2 TEST DATA REPORTING	4
6.2.1 <i>General Information</i>	4
6.2.2 <i>Required Measurements</i>	5
7.0 TEST PROCEDURES – CHARGE ACCUMULATION MEASUREMENT	5
7.1 TEST PREPARATIONS – DYNAMIC TEST	5
7.2 MEASUREMENT CORRELATION – DYNAMIC TEST	5
7.2.1 <i>Correlation Samples – Integrated Circuit</i>	6
7.2.2 <i>Correlation Samples – PC Board</i>	6
7.2.3 <i>Correlation Testing</i>	7
7.3 TEST PREPARATIONS – STATIC TEST	7
7.4 TEST DATA REPORTING	8
7.4.1 <i>General Information</i>	8
7.5 MEASURING DEVICES ON THE AHE.....	8

ANNEXES

Annex A (Informative): Suggested Equipment Grounding Guidelines 9
Annex B (Informative): Selection of Electrostatic Voltmeters..... 10
Annex C (Informative): Recommendations on Installation of the Voltage or Electrostatic Field
Sensor 11
Annex D (Informative): Sample Data Sheet 12
Annex E (Informative): Sample Test Report Form 13
Annex F (Informative): Bibliography..... 15
Annex G (Informative): Revision History of ANSI/ESD SP10.1-2016..... 16

FIGURES

Figure 1: Example of Measurement Points on an Automated Handler 11