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**MODEL ESD-255
ELECTROSTATIC DISCHARGE
GENERATOR**

KEVIN HADDOCK

Testwave

Test & Measurement & Equipment Calibrations

1515 Greg Street
Sparks, NV 89431-6915

Ph: 775-356-TEST Fax: 775-356-0290
Web: www.testwave.com

ANDY HISH ASSOCIATES

5401 Burnet Avenue • Van Nuys, California 91411 • (818) 997-1332 / (818) 989-1417

ANDY HISH ASSOCIATES #409
26524 GOLDEN VALLEY ROAD
SANTA CLARITA, CAL 91350

ESD-255 ELECTROSTATIC
DISCHARGE GENERATOR

SPECIFICATIONS

INPUT 115 volt AC, 50 to 60 Hz single phase,
 three conductor grounding line cord.

OUTPUT Continuously adjustable from zero to
 25 KV DC.

VOLTMETER Wide View, 3 1/2", 90 degree extended range.
 Two ranges: 0 - 5,000; 0 - 25,000 volts.
 Output voltage accuracy: \pm 5%.

PROBES Two probes are available using distributed
 line techniques to replicate the wave forms
 of static discharge from personnel with a
 metal intervening object such as a key, ring
 (Probe P255-1) deck chairs or push cart
 (Probe P255-2). The networks of these probes
 replicate these complex networks.

SIZE 8 1/2" deep X 16 1/2" wide X 11" high.

WEIGHT 15 lbs.

(805) 251-6155
(805) 251-0824

Phone: (818) 997-1332 or (818) 989-1417

The logo for Andy Hish Associates, featuring the lowercase letters 'ah' in a bold, stylized font, with 'ANDY HISH ASSOCIATES' written in smaller capital letters below it.

INTRODUCTION

1.0 GENERAL

The Andy Hish Electrostatic Test Generator, Model ESD-255, provides a comprehensive simulation of the broad spectrum of electrostatic discharge events that occur under actual-use conditions.

Comparative data taken between actual ESD events and those produced by the ESD-255 illustrate that: (A) the spectral distribution of the dynamic impulses is virtually identical; (B) the correlation of waveform-to-amplitude is virtually identical; and, (C) the time interval between impulses in the multiple-pulse ESD event series is comparable. (See Appendix A)

1.1 SPECIFICATIONS

INPUT	115 volt AC, 50 to 60 Hz single phase, three conductor grounding line cord.
OUTPUT LEVEL	Continuously adjustable from zero to 25 KV DC.
IMPULSE WAVEFORM CHARACTERISTICS	See Appendix A (Bulletin 057255-1)
PROBES	Two probes are currently available using distributed line techniques to replicate the wave forms of static discharge from personnel with a metal intervening object such as a key, or ring, (Probe 255-1) desk chair or push cart (Probe 255-2). It should be noted that the ESD circuit is significantly more complex than a simple R-C network description. The networks of these probes replicate these more complex networks. (Other probes on custom order basis are described herein)
SIZE	8 1/2" Deep X 16 1/2" Wide X 11" High.
WEIGHT	15 LBS.

