TECHNICAL DATA

PRS-801W and PRS-801-WV
Standard and Premium Conductive Rubber Electrodes

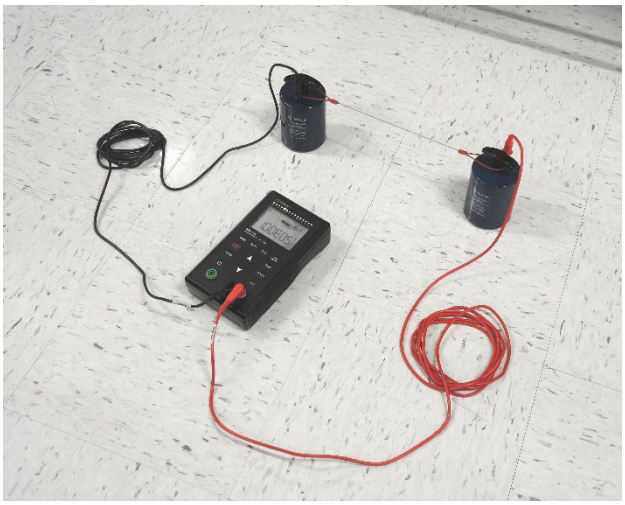
5 lbs Electrodes used for resistance testing of floors, worksurfaces, floor mats, or other flat objects.

The PRS-801W is a precision milled resistance probe with conductive rubber pad for use with any resistance meter. Used in point to point and point to ground resistance testing of floors, worksurfaces, floor mats or any flat object, the PRS-801W produces repeatable measurements in accordance with ESD Association standards.

The PRS-801-WV Premium Conductive Rubber Electrodes are ideal for qualifying or certifying newly installed ESD Floors, Worksurfaces and other ESD control products.

The Premium Electrodes are measured as described in ANSI/ESD STM4.1 and ANSI/ESD STM7.1 for electrode diameter, durometer and resistance of the pad. In addition, these electrodes are electrically tested for flatness.

A NIST certificate of calibration is provided with each PRS-801-WV Premium Electrode that includes flatness of the rubber pad.



PRS-801W Standard Electrodes

- Used for point-to-point and point-to-ground resistance testing
- Provides repeatable measurements in accordance with ESD Association standards
- Weighs 5lbs. (2.27kg) each ±2 oz
- Durometer hardness of 50-70
- Resistance of less than 1000 ohms between two electrodes placed on a metal test plate at 10V
- Meets the requirements of ANSI/ESD STM4.1 and ANSI/ESD STM7.1

PRS-801-WV Premium Electrodes

- Ideal when qualifying or certifying material & installation
- Each electrode has a resistance of less than 20 ohms
- Flatness is measured and delivered within Prostat's specs
- Capped to protect the pad against deformation
- In accordance with ANSI/ESD STM4.1 and ANSI/ESD STM7.1
- NIST traceable certificate provided for each premium electrode

General Specifications

Characteristics	Model	
	PRS-801W	PRS-801-WV
Weight	5 lbs (2.27 kg) each ±2oz	5 lbs (2.27 kg) each ±2oz
Resistance [1]	< 100 ohms	< 20 ohms
Overall Height	With T-Handle: 5.14" (130.52 mm) Without T-Handle: 3.87" (98.30 mm)	With T-Handle: 5.14" (130.52 mm) Without T-Handle: 3.87" (98.30 mm)
Test Lead Connection Type	One standard female banana receptacle located on the surface	One standard female banana receptacle located on the surface
Color	Grey	Blue

[1] Per ANSI/ESD STM4.1, resistance between 2 each electrode on a clean metal plate should measure < 1,000 ohms at 10 volts. 1 each electrode should measure < 500 ohms at 10 volts on a clean metal plate.

Conductive Rubber Pad Specifications

Characteristics	
Material	Conductive Silicone
Diameter	2.5" ±0.1" (63.5 mm ±0.25 mm)
Thickness	0.25" ±0.1" (6.35 mm ±0.25 mm)
Durometer	50-70 Shore A Hardness

Plastic Cover Specifications

Characteristics	
Material	ABS
Diameter	2.84" (72.14 mm)
Height	3.62" (91.95 mm)
Color	Grey or Blue

PRS-801-WH T-Handle Specifications

Characteristics	
Grip Material	Phenolic Plastic
Insert Material	Brass
Mount Type	Threaded Hole
Thread Size	5/16"-18
Thread Depth	7/16"
Color	Black

Ordering Information

Part No.	Description
PRS-801W	5lb Conductive Rubber Electrode
PRS-801-WV	Premium Conductive Rubber Electrode

[1] Includes T-Handle

Optional Accessories

Part No.	Description
PRS-801-WH	Electrode T-Handle
PRS-801-WHS	Electrode T-Handle Screw
PRV-813	Conductive Rubber Electrode Verifier
800LR	10-foot Silicone Test Lead - Red
800LB	10-foot Silicone Test Lead - Black

Prostat Corporation
399 Wall Street
Suite G
Glendale Heights, IL 60139 U.S.A.

For more information:
Toll-Free In the U.S.A.: (855) STATIC1 (782-8421)
International: +1 630-238-8883
Email: sales@prostatcorp.com
Web access: https://www.prostatcorp.com

Specifications subject to change without notice. Printed in U.S.A.
Rev 3: 2/28/2025