

# Fabric Band Wrist Strap

## PWS-610M

### Data Sheet

#### **Designed for durability, lightweight portability and comfort**

In conjunction with the best product designers in the ESD industry, Prostat has created new refinements in wrist strap technology. Prostat wrist straps are specially designed for durability, lightweight, portability and comfort.

These unique personnel and instrument grounding products are intended for use in demanding, high performance applications where reliability is the priority.

Compared to traditional wrist straps with fabric cuffs, the PWS-610M weighs 60 percent less (under 1 ounce) and uses 1/3 the working or storage space of a standard assembly. The PWS-610M features a comfortable, adjustable band, a 12 ft. ground cord with a 4mm snap. The fabric band also has a 10mm male snap with a protective cap. The ground cord, which has a 1 megohm resistor built into it, exceeds 20,000 cycles of bending life test without any physical damage on the strain relief.





## Data Sheet

### Specifications for the PWS-610M Fabric Band Wrist Strap

Cuff Assembly	
Buckle	1.0W x 1.0L x 0.25H inches. Gray, Adjustable with positive lock, stainless steel back plate. Standard male 5/32" snap (0.154 inch, 4mm); provides 360o performance. Patented, Easily adjusted buckle incorporating a positive fabric lock to eliminate slip and enhance skin contact. Non-sensitizing stainless steel back plate.
Fabric	0.85 inches wide. Grey, knit incorporating silver plated filament and elastic nylon. Insulative outer cuff surface, conductive inner cuff surface.
Size/Length	Nominal 6.5" After stretching to 2x length and relaxing.
Adjustable	Easily adjustable to fit all personnel.
Quality Control	Date coded and Prostat manufacturer's logo embossed on all cuff assemblies
"M" Series Cuff	Incorporate a 10mm male snap and insulated snap cover installed in the fabric approximately 2 inches from the cuff buckle. The 10mm snap is used to mount and ground the PFM-711A Field Meter and CPM-720A Charge Plate Monitor.
Cord Assembly	
Cord Length	12 feet
Cord Diameter	2.5 mm
Breakaway Force	1 to 5 lbs. of pull away force is required to disconnect the snap in a normal disconnect direction.
Cord Material	Polyurethane Coil Insulation
Snap Type	4mm Socket Snap
Cord Resistor	1 Meg Ohm $\pm$ 20% Resistor Built Inside
Bending Life Test	Exceeds 20,000 cycles of bending life test without any physical damage on the strain relief.
Ground Lead Extendibility	Cord should return back to at least 85% of its original length in less than 10 minutes after hanging for 24 hours, with 1 lb. weight on the other end.
Color	Black

**WARNING:** A one-megohm resistor has been molded into the plastic cap on the ground cord fastener. DO NOT REMOVE. If it becomes damaged, replace ground cord immediately. Do not use in areas where the individual may come in contact with electrical circuits exceeding 250 volts.

**CAUTION:** The Prostat wrist strap is for static control. It will not reduce or increase your risk of receiving electrical shock when using or working on electrical equipment. Follow the same procedures you would use without wrist straps, including:

- \* Make certain that equipment having a grounding type plug is properly grounded.
- \* Make certain that you are not in contact with grounded objects other than through the strap.

[www.prostatcorp.com](http://www.prostatcorp.com)

©2019 Prostat Corporation. All rights reserved. Prostat, Prostat Corporation and the Prostat logo are trademarks or registered trademarks of Prostat Corporation or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. Complying with all applicable copyright laws is the responsibility of the user. Prostat reserves the right to change, without notice, product offerings or specifications. Printed in U.S.A.