

## 3M™ Wrist Strap and Footwear Tester

The 3M Wrist Strap and Footwear Tester 740 is an AC-powered unit designed to be wall-mounted in a production facility for daily testing of employees' static control wrist straps. Use of the optional 3M™ Shoe Electrode 741 attachment allows the tester to be used as a footwear tester as well. The optional Shoe Electrode 741 is a test plate that connects to the Wrist Strap and Footwear Tester 740. By standing on the shoe electrode, personnel can use the wrist strap and footwear tester to check the operation of static control footwear, heel straps and the like. This electrode, constructed of rugged stainless steel in a molded plastic base, must be ordered separately.

Simple to operate, the unit has several useful features and options. Red and green LEDs give a clear "go" or "no go" indication. The user can select any of four different resistance levels, making the tester a versatile instrument to meet varying industry, corporate and global standards. The unit tests the wrist band and cord while they are being worn, and can also test each component independently to isolate an indicated fault. There is also a digital output that can be used to interface with a computer, automatic door lock, alarm or other control device.

The wrist strap and footwear tester comes with the base unit, output connector, 3M Dual Lock™ Wall-Mounting System and template, cover for the wrist strap plug-in jack and the AC/DC transformer.



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## Wrist Strap Tester 740 Properties

Item	Typical Properties
<b>Dimensions</b>	5.43 H x 7.48 W x 2.09 in. D (13.8 x 19.0 x 5.3 cm)
<b>Weight</b>	15.75 oz. (450 gm)
<b>Power Supply</b>	27 Vdc transformer, 150 mA (AC/DC adapter supplied) 6 ft. (1.8 m) wire
<b>Test Voltage</b>	20 Vdc, ± 1 volt (open circuit)
<b>Resistance Ranges</b>	Lower limit: 750K ohm
<b>Upper Limit Wrist Strap</b>	2, 5, 10 and 35M ohm
<b>Upper Limit Footwear</b>	10, 35, 50 and 100M ohm
<b>Accuracy</b>	+ 20%, -0% for 750K ohm lower limit ± 10% for 2M, 5M, 10M, 35M and 50M ohm ± 20% for 100M ohm
<b>Output</b>	Open collector at pins 1, 2, 4 and 5 DC return at pin 6. + 5 volts at pin 3
<b>Wall Mounting</b>	3M™ Dual Lock™ System



## Shoe Electrode 741 Properties

Item	Typical Properties
<b>Dimensions</b>	20 H x 16 in. W (50.8 x 40.6 cm)
<b>Weight</b>	5 lbs. (2.3 kg)
<b>Construction</b>	1 mm stainless steel plate and molded plastic base
<b>Other</b>	3M adhesive strip prevents unit from sliding while in use. Shoe electrode interconnect cord 6 ft. (1.8 m).

**Note:** The Shoe Electrode 741 is not included with the Wrist Strap and Footwear Tester 740 and must be ordered separately.