

91750

91750



91750

EVOM² 1000Ω Test Resistor

Warranty

WPI (World Precision Instruments, Inc.) warrants to the original purchaser that this equipment, including its components and parts, shall be free from defects in material and workmanship for a period of 30 days from the date of receipt. WPI's obligation under this warranty shall be limited to repair or replacement, at WPI's option, of the equipment or defective components or parts upon receipt thereof f.o.b. WPI, Sarasota, Florida U.S.A. Return of a repaired instrument shall be f.o.b. Sarasota.

The above warranty is contingent upon normal usage and does not cover products which have been modified without WPI's approval or which have been subjected to unusual physical or electrical stress or on which the original identification marks have been removed or altered. The above warranty will not apply if adjustment, repair or parts replacement is required because of accident, neglect, misuse, failure of electric power, air conditioning, humidity control, or causes other than normal and ordinary usage.

To the extent that any of its equipment is furnished by a manufacturer other than WPI, the foregoing warranty shall be applicable only to the extent of the warranty furnished by such other manufacturer. This warranty will not apply to appearance terms, such as knobs, handles, dials or the like.

WPI makes no warranty of any kind, express or implied or statutory, including without limitation any warranties of merchantability and/or fitness for a particular purpose. WPI shall not be liable for any damages, whether direct, indirect, special or consequential arising from a failure of this product to operate in the manner desired by the user. WPI shall not be liable for any damage to data or property that may be caused directly or indirectly by use of this product.

Claims and Returns

• Inspect all shipments upon receipt. Missing cartons or obvious damage to cartons should be noted on the delivery receipt before signing. Concealed loss or damage should be reported at once to the carrier and an inspection requested. All claims for shortage or damage must be made within 10 days after receipt of shipment. Claims for lost shipments must be made within 30 days of invoice or other notification of shipment.

Please save damaged or pilfered cartons until claim settles. In some instances, photographic documentation may be required. Some items are time sensitive; WPI assumes no extended warranty or any liability for use beyond the date specified on the container.

• WPI cannot be held responsible for items damaged in shipment en route to us. Please enclose merchandise in its original shipping container to avoid damage from handling. We recommend that you insure merchandise when shipping. The customer is responsible for paying shipping expenses including adequate insurance on all items returned.

• Do not return any goods to WPI without obtaining prior approval and instructions (RMA#) from our returns department. Goods returned unauthorized or by collect freight may be refused. The RMA# must be clearly displayed on the outside of the box, or the package will not be accepted. Please contact the RMA department for a request form.

• Goods returned for repair must be reasonably clean and free of hazardous materials.

• A handling fee is charged for goods returned for exchange or credit. This fee may add up to 25% of the sale price depending on the condition of the item. Goods ordered in error are also subject to the handling fee.

• Equipment which was built as a special order cannot be returned.

• Always refer to the RMA# when contacting WPI to obtain a status of your returned item.

• For any other issues regarding a claim or return, please contact the RMA department

Warning: This equipment is not designed or intended for use on humans.



World Precision Instruments, Inc.

USA: International Trade Center, 175 Sarasota Center Blvd., Sarasota FL 34240-9258
Tel: 941-371-1003 • Fax: 941-377-5428 • E-mail: sales@wpiinc.com

UK: Astonbury Farm Business Centre • Aston, Stevenage, Hertfordshire SG2 7EG
Tel: 01438-880025 • Fax: 01438-880026 • E-mail: wpiuk@wpi-europe.com

Germany: Liegnitzer Str. 15, D-10999 Berlin
Tel: 030-6188845 • Fax: 030-6188670 • E-mail: wpide@wpi-europe.com

China: Rm 20A, No. 8 Dong Fang Lu, Lu Jia Zui Financial District
Shanghai, P.R.China 200120

Tel: +86 21 68885517 • E-mail: chinasales@china.wpiinc.com

Internet

www.wpiinc.com • www.wpi-medical.com
www.nitricoxide.net • www.pipetter.com

www.wpiinc.com

INSTRUCTION MANUAL

Serial No. _____

122308

World Precision Instruments

EVOM² was designed to perform routine Trans Epithelial Electrical Resistance (TEER) measurement in tissue culture research. The confluence of the cellular monolayer is determined by an increase in TEER detected using the unique electronic circuit of the **EVOM²** and an electrode. The **EVOM²** qualitatively measures cell monolayer health and quantitatively measures cell confluence. When combined with WPI's **Endohm** chamber, the **EVOM²** can also be used to perform trans endothelial electrical resistance measurement.



The 1000 Ω Test Resistor (WPI #91750) is designed for use with WPI's **EVOM²**. It is a simple mechanism for verifying that the **EVOM²** meter is correctly calibrated. The Test Resistor has an RJ-11 telephone-style plug for connecting it to the INPUT port on the **EVOM²**, and it has a constant resistance value of 1000 Ω \pm 1%.

OPERATING INSTRUCTIONS

It is recommended that **EVOM²** be put through the test described below before using it for the first time and then periodically thereafter. When there is a concern that the meter or the electrode is not functioning properly, the following protocol may be used to confirm **EVOM²**'s operating status.

Testing the **EVOM²** Meter

1. Insert the RJ-11 plug at the end of the test resistor into the **Input** port on the meter.
2. Set the **Function** Switch to **Ohms**.
3. Disconnect the **EVOM²** from the charger and turn the **Power** on (I). The meter should display 1000 Ω \pm 1%. If not, adjust the **R ADJ** screw with a small slot-head screwdriver until the meter shows a reading of 1000 Ω .



INSTRUMENT MAINTENANCE

No maintenance is necessary.

STORAGE

Store in a clean, dry place.

SPECIFICATIONS

Meter Connection	RJ-11 connector (telephone style)
Test Resistor	External
Resistance	1000 Ω
Environmental Range	50-100°F (10-38°C) 0-90% non-condensing relative humidity