



Ag/AgCl Electrode Pellets, Discs and Reference Cells

*Models EP05, EP08, EP1, EP2, EP4, EP8, EP12
RC1, RC1T, RC2, RC2F, RC3, RC4, RC5, RC6*

Caution

Ag/AgCl pellets and discs are somewhat brittle, especially the larger and thinner discs, and should be handled with care. Shaping of the electrodes, if necessary, should be done after the electrode has been mounted in epoxy or other supporting medium. Avoid repeated bending of the silver wire pigtail.

Encapsulation

Selection of epoxy and adherence to mixing and curing instructions are important. The epoxy should withstand water immersion and have good adhesion to glass or plastic.

Darkening

Silver chloride is light sensitive. Exposure to light will cause darkening of the outer surface of the electrode. This does not usually adversely affect the performance of the electrode. The darkened surface can easily be removed if desired by light sanding with fine non metallic sandpaper. Stripping or cleaning with chemical agents should not be attempted as this may seriously degrade the performance of the electrode.

Electrolyte

Strong electrolytes, such as saturated KCl, may pit the electrode surface. This can be minimized by adding a few grains of silver chloride to the electrolyte.

Electrode Conditioning

To achieve stable potentials, presoak the electrodes (in pairs with their leads shorted to each other) in a chloride containing electrolyte.

Cleaning

After use, rinse with distilled water, blot dry and store in an amber or dark bottle.

Sterilization

If sterilization is required, use gas. Chemical disinfectants containing mercury, phenols, bromine, iodine, zinc, tin or organo-metallic compounds should not be used. Most epoxies and cable insulation materials also will not resist steam sterilization.

Electrical Characteristics

Potential difference between pairs of pellet electrodes after 4 hours soaking in saline, with leads shorted together and at constant temperature is usually less than 100 microvolts. Voltage drift is usually less than 100 microvolts per day at constant temperature.



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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 one year* 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.

* Electrodes, batteries and other consumable parts are warranted for 30 days only from the date on which the customer receives these items.

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World Precision Instruments, Inc.

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: Zossener Str. 55, 10961 Berlin • Tel: 030-6188845 • Fax: 030-6188670 • E-mail: wpide@wpi-europe.com

China: WPI Shanghai Trading Co., Rm 20a, No8 Dong Fang Rd., Lu Jia Zui District, Shanghai PRC • Tel: +86 688 85517 • E-mail: chinasales@china.wpiinc.com