



Westinghouse Electric Corporation  
Engineering and Instrumentation  
Services Division  
875 Greentree Road, Bldg. No. 8  
Pittsburgh, Pennsylvania 15220

Descriptive Bulletin  
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New Information  
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## Meter/ Instrument Repair

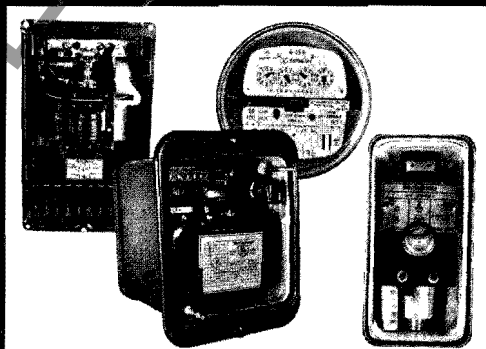




## Meter/ Instrument Repair

Main: All Westinghouse work is performed by experienced and dedicated technicians.

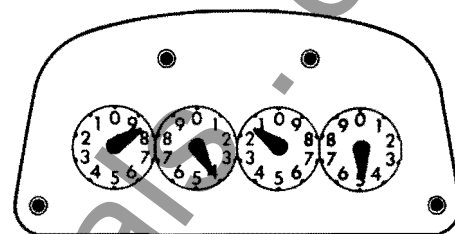
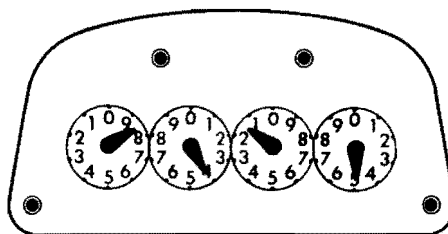
1. Customer service personnel assure accurate order entry, tracking and delivery.
2. We offer a single-source of service for virtually all your meter/instrument repair needs.
3. Westinghouse labs are fully equipped maintenance and repair facilities.



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### Innovative Repair Techniques from Westinghouse Engineering & Instrumentation Services

The Westinghouse Engineering & Instrumentation Services Division (E&ISD) is one of the largest and most experienced industrial service organizations in the nation. With more than 80 fully-staffed Engineering Service Offices throughout the continental U.S., E&ISD has complete local capabilities to provide a wide range of electrical and mechanical equipment services in three broad categories: installation, physical maintenance, and engineering advisory services.

At E&ISD, we have established an ongoing program to identify emerging customer needs, and evolve effective service technologies and procedures to meet them. Major off-site Meter/Instrument Repair is just one of many capabilities we have developed in order to enhance both the quality and scope of service options available to our customers.

Westinghouse Meter/Instrument Repair services are now available for all types of industrial equipment meters, relays, controllers and process temperature instrumentation. All required cleaning, repair, recalibration and resetting operations are performed at our centrally-located testing laboratories, under the supervision of experienced Westinghouse technicians.

### Meter/Instrument Repair

Meters and instruments are intended to provide accurate indications of both equipment status and electrical system performance levels. In order to function properly, both meters and instrumentation must be routinely maintained and periodically recalibrated.

Westinghouse Meter/Instrument Repair services include the following.

**Meters:** Calibration and repair services are provided for switchboard, portable and recording-type electrical meters. Watthour meters, ammeters and voltmeters are routinely cleaned, tested, adjusted and recalibrated to ensure accurate readings. The availability of modern testing equipment, coupled with regular checks of calibration standards, permits us to certify tests in accordance with National Bureau of Standards specifications.

**Relays:** Westinghouse provides a complete range of cleaning, testing, repair and setting of a broad range of electro-mechanical protective relays. These include current, voltage, frequency, timing and thermal types.

**Controllers:** Westinghouse can test and repair most controller types, including timing controllers and furnace temperature recorder/controllers.

**Process Temperature Instrumentation:** We offer a full range of process temperature instrumentation services for most manufacturers' equipment.

### Features:

**Meters and instruments calibrated to specifications of the National Bureau of Standards**—Affords increased accuracy of meters and instrumentation.

**Repair of non-functional or non-repeatable meters and instruments**—Restores functional integrity of devices. Yields substantial cost reductions when compared to replacement with new units.

**Single-source service**—If you operate a variety of manufacturers' meters and instruments you will realize streamlined service with uniform documentation. Westinghouse can provide the services you require for most makes of equipment. They include:

- Westinghouse
- Barber Coleman
- West
- Fenwal
- Honeywell
- Foxboro
- Duncan
- Sangamo
- General Electric



## Westinghouse Engineering Service Locations\*

<b>Alabama</b> Birmingham 35209 133 West Oxmoor Road Suite 205 205-942-7432 Mobile 36607 1125 N. Corporate Drive Suite 205 205-478-0713	<b>Illinois</b> Lansing 60438 (Chicago) 16750 Chicago Avenue 312-895-7721 <b>Kansas</b> Overland Park 66210 (Kansas City) 8900 Indian Creek Parkway Building 6, Suite 200 913-383-6538 <b>Louisiana</b> Metairie 70011 (New Orleans) 3500 N. Causeway Boulevard Suite 118 504-832-9340 Monroe 71202 506 South Third Street 313-388-3131 <b>Maryland</b> Baltimore 21207 2056 Lord Baltimore Drive 301-298-2000 <b>Massachusetts</b> Boston 01701 10 California Avenue P.O. Box 1060 617-237-6950 <b>Michigan</b> Southfield 48037 (Detroit) 24700 Eleven Mile Road P.O. Box 700 313-423-7343 <b>Minnesota</b> Minneapolis 55416 3501 S. Highway 100 612-927-2254 <b>Missouri</b> St. Louis 63146 2060 Craigshire Road 314-851-9534 <b>New Jersey</b> Hillside 07205 (New York) 1447 Chestnut Avenue 201-926-7910 <b>New Mexico</b> Albuquerque 87108 5301 Central Avenue 505-265-6647 <b>New York</b> Buffalo 14203 700 Ellicott Square Bldg. 716-847-4743 Syracuse 13206-1683 4030 New Court Road 315-437-2279	<b>North Carolina</b> Charlotte 28232 2001 W. Morehead Street P.O. Box 32817 704-377-7710 <b>Ohio</b> Cincinnati 45237 7710 Reading Road 513-948-7277 Cleveland 44135 4590 West 160th Street 216-267-6405 <b>Oregon</b> Portland 97203 9442 North Ramsey Blvd. 503-221-4479 <b>Pennsylvania</b> Philadelphia 19028 5081 West Chester Pike Edgemont Plaza - Building C 215-353-4304 Pittsburgh 15230-1017 One Chatham Center Washington Place & 5th Ave. P.O. Box 1017 412-255-1689 <b>Texas</b> Dallas 75247 8400 John W. Carpenter Fwy. 214-631-1800 Houston 77020 5722 Clinton Drive 713-675-9667 <b>Utah</b> Salt Lake 84104-5198 1680 S. Redwood Road 801-973-4100 <b>Virginia</b> Richmond 23224 1001 East Fourth Street 804-232-8949 <b>Washington</b> Seattle 98168 10831 E. Marginal Way, South 206-292-4047 <b>West Virginia</b> Huntington 25701 1029 7th Avenue 304-529-3264 <b>Wisconsin</b> Elm Grove 53122 (Milwaukee) 205 Bishops Way P.O. Box 1000 414-786-0260
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\*The offices which appear above represent a partial listing of Westinghouse Engineering Service offices located in the United States. For a complete list contact your closest office or call the Westinghouse Engineering Information Center at 800-441-3134. Outside of the continental U.S. call 412-928-2559.

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