



**Vanguard Instruments Company, Inc.**

## **WRM-10/10P/40**



The WRM-10, WRM-10P, and WRM-40 winding resistance meters are designed to accurately measure the winding resistance of highly inductive power transformers. The unit's dual resistance-reading input channels can measure two winding resistances simultaneously. Four-wire (Kelvin) connections provide high accuracy voltage reading and require no lead compensation. The WRM-10 and WRM-10P provide stable resistance readings of very large transformers by utilizing a 36 Vdc power supply capable of outputting up to 10 Amperes. The WRM-40 is capable of outputting up to 40 Amperes. Both the WRM-10P and WRM-40 feature a built-in 2.5" wide thermal printer that can be used to print test records in the field.

The WRM line has been in production since 2002, and over 1,000 units have been sold world-wide.



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## WRM-10/10P/40

### Partial International Client List

#### Argentina

Inducor Ingeniera S.A.

#### Australia

Enertel Pty Limited

TMS Australasia PTY Ltd

#### Bahrain

AA Bin Hindi Special Projects Div

#### Brazil

Baur Do Brasil Ltda

#### Canada

Beldon Sales

Institut De Recherche D Hydro Quebec

#### Chile

RCC Electronics

Ingesin Limitada

#### China

Beijing Develot M&C Co. Ltd

Beijing Deyu Technical Service Co Ltd

Dexin International Inc.

Hongbang International Limited

Precision International Corp

Shanghai Precision Instruments Corp.

Shenzhen Co-Liane Industrial Co Ltd

Wan Shenglong Investment & mgmnt Co

#### Colombia

Comercial Ingeoelectrica Ltda.

Conatel S.A.

Transformadores GVR

#### Costa Rica

Electronic Engineering SA

#### Ecuador

Aleminsa S.A.

#### Egypt

Technical Center for Engineering Works

#### Guam

Guam Power Authority

#### India

Mtekpro Engineering (P) Ltd

United Technology

#### Indonesia

PT Surya Prima Eltrindo

#### Italy

G.B. Services S.R.L.

#### Malaysia

Labmetrik Electrical Sdn Bhd

#### Mexico

Instrumentos Y Equipos De Vanguardia

Medicion Tecnologia C.A.

Rak Sistemas De Potencia

#### New Zealand

Fraser Engineering Services

#### Pakistan

Shaukat Associates

#### Panama

NORCONTROL PANAMA S.A.

#### Peru

Logytec S.R.L.

#### Philippines

Georgetown Electrical Systems

#### Portugal

Equilamang Tecnologias

#### Russia

Mihkelson & KO OU

#### Saudi Arabia

ARABIAN ARROWS

Mohammed Aslam Sheikh Contracting Est

#### South Africa

Elequip Trading S.A.

H.V. Test CC

#### South Korea

Korea Genertek Co Ltd

World Market Corporation

#### Spain

Amperis Products SL

Simat SA De CV

#### Taiwan

River Enterprise Co.

#### Thailand

N.Y.R. Limited Partnership

#### Turkey

ABB Elektrik Sanayi A.S.

Kesir Eng. Elc. Ltd. Co.

Testone Teknoloji Cozumleri

#### UAE

Al Yakout Electrical Fittings Trading L.L.C.

AYT International LLC

#### Venezuela

Transformadores del Caribe S.A.

VCB Breakers

#### Vietnam

Ha Long Inspection & Technical Service

Precision Technology Co. Ltd





## **WRM-10/10P/40**

### **Partial Domestic (U.S.) Client List**

3-D Service	EPB of Chattanooga	Overseas Trading Int'l
Advanced Technology Engineering	EPC Services Company	Pennsylvania Transformer
Allegheny Energy Service Corp.	EPS	Petrelli Electric Inc
Allegheny Power	Evan International Limited	PG&E
ALSTOM-High Voltage Switch Gear	Florida Transformer Inc.	Phenix Technologies
American Industrial Motor Service LLC	FortisBC Inc (GEN)	Portland GE
Appalachian Power Co	General Polytronic Systems Inc	Power Substation Services
Baltimore Gas & Electric Co	Grand River Dam Authority	Powerpoint Engineering Ltd
Belyea Company Inc	Great River Energy	Precision Calibration Labs
Boston Home Inc	Greenville Utilities	Protec Equipment Resources Inc
Brazos Electric Power Coop Inc	Hart High Voltage Apparatus Repair	Reaction Supply Company
Bryan Texas Utilities	HD Industrial Services	Reed City Power Line Supply Co.
California Engineering Services	High Voltage Maintenance Group	Robinson Sales
California Intergrated Solutions Inc	IETC	Scott Testing Inc.
Calpine Operating Services Company Inc	Industrial Tests Inc.	Siemens
Carob Valley Electric, Inc.	ITM	Southwestern Public Service
City of Idaho Falls	Jerry's Electric Inc	Springfield Utility Board
City of Roseville Finance Dept	JJ Calibrations Inc	Steinmetz Corporation
City of Springfield, IL	JM Test Systems Inc	Strongman Medifur Systems Inc
City of Vernon	Justalease Corporation	Substation Technical Resources Inc
Coastal Switchgear	Kansas City Board of Public Utilities	Sunbelt Transformer Ltd
Colorado River Commision	Kentucky Power Co.	Susquehanna Commercial Finance Inc
Constallation Power Source Generation, Inc	Kiemle-Hankins Company	T&R Electric Supply Co Inc
Dayton Power & Light Co	Landsnet	T.S. Williams & Associates
Delmarva Power & Light Co	Lansing Board of Water & Light	Tarbell Associates
Delstar Products	Liberty Power Service	Technical Diagnostic Services, Inc.
Delta Testing Services Inc	M & L Power Systems, Inc	Technical Sales-Northwest
Detroit Edison	Magic Valley Co-op Inc	Tony Demaria Electric Inc
Dow Chemical	METC	Trade East West Corporation Ltd
DTE Energy	Metropolitan Water Dept	Transformer Diagnostic Testing Inc
E & W Finance	MHY ProPower Services	TU Electric
East Ky Power Cooperative	Micronet Technologies Inc	Union Elect Co
ECA Service Inc.	Minnesota Power	US Department of Energy / WAPA
Electrical Reliability Services Inc	Mississippi Power Co.	USA Engineer District Seattle
Electrical Technologies	MTI Incorporated	VA Tech
Electro Rent Corporation	National Field Services	Valence USA
Electro Technical Testing Co	Nevada Power Co	Virginia Transformer Corp
Emerson Electrical Reliability	North American Substation Services	West Coast Switchgear Inc
Energy Technical Service J.S.C	NovaTech Engineering Services Inc	Westar Energy
Energy Technoligies Trading	Oilfield Electric Marine	Wisconsin Public Service Corp
Entergy	Orange and Rockland	Wolverine Power Supply