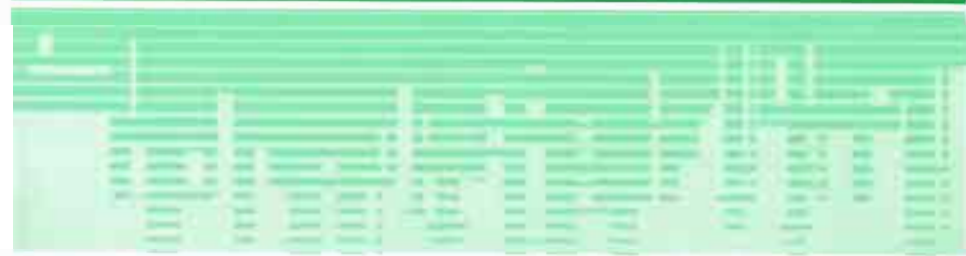


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NOVEMBER 1997



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Editor's Notes

ADVERTISERS: Please note that the deadline for the JANUARY ANNUNCIATOR is December 15, 1997. Please forward information to the editor by that date in order to have items updated.

THE DINNER MEETINGS FOR THE 1997/98 SEASON WILL BE HELD AT THE SARNIA GOLF AND CURLING CLUB

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Upcoming Executive Meetings

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All regular meetings will be held at 7:00 p.m. at the Sarnia Golf & Curling Club



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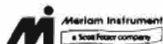
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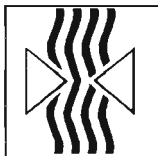
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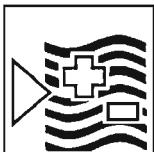
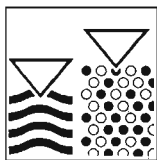
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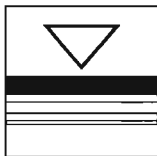
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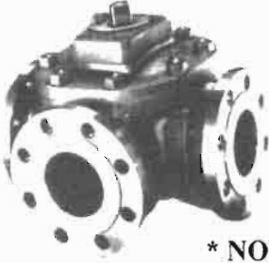
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Incoming President's Message

Our year began on a positive note with a well attended dinner meeting at the Sarnia Golf and Curling Club. The guest speaker from Allen Bradley gave a very informative presentation on DeviceNet.

Jennifer Southcombe, ISA Sarnia Section Membership Chairperson, gave a presentation on the launch of our Membership drive which will recognize members for their efforts in promoting ISA and successful recruiting of new members. Please look for the details on this program included in the Annunciator and we look forward to your participation.

The Education Chairman, Kalpen Vachharajani, has reported that a training session on Control Programming Using IEC-1131 was held at the CAPT Center. Additional sessions are being planned and Kalpen would welcome any suggestions from the membership on topics.

The ISA Sarnia Section participated in the TECH 97 Show at Anaheim with both delegates and the Student Section. ISA sponsored the student team in the competitions at the ISA show and I am happy to report that they came in fourth overall. Congratulations to the team and their leader / Tour Guide Mike Grey for a job well done.

ISA recently has published a listing of the 100 Best Web Sites dedicated to control. I would like to recognize our WebMaster, Brian Smith, for having his site included. I would encourage you to visit at bsmith@ebtech.net.

I would hope to see our numbers for the attendees at the dinner meetings increase, so please let your friends and co-workers know about our meeting on November 24 to ensure its success.

Regards,

Andy Tucker, *President*

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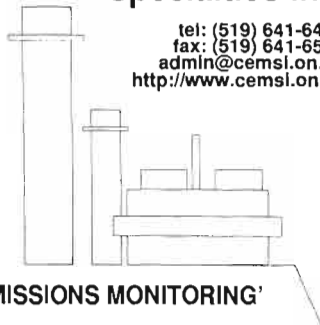
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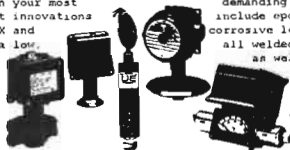
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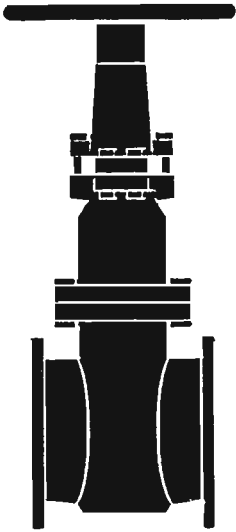
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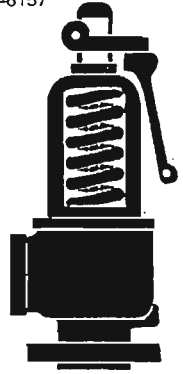
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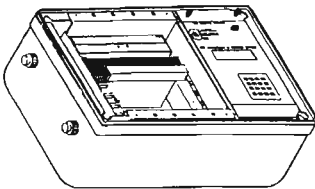


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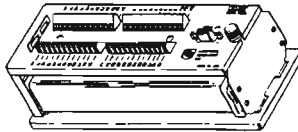
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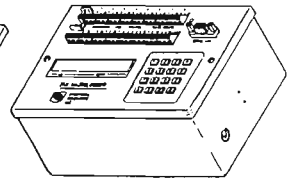
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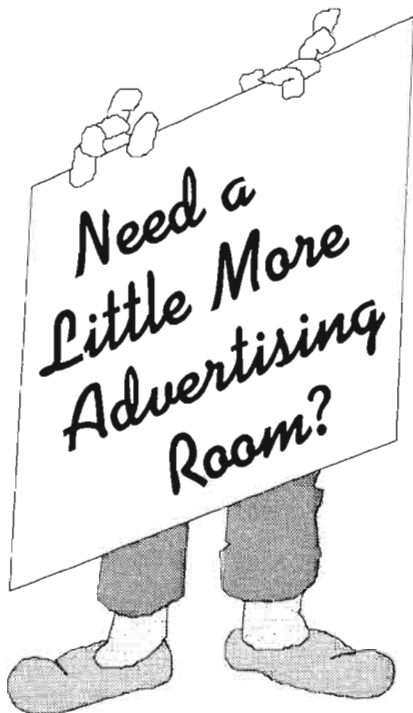


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ISA Student Section



It has been business as usual for the instrumentation students here at Lambton College and I trust that everyone enjoyed their summer holidays and are back hard at work. As you are probably already aware, this is the sixth and final term for the students who began the instrumentation program back in September of 1994, and from first hand experience we have come a long way. Finally all of the tests and lab write-ups that have been submitted over the years are about to pay off. We are looking forward to a field trip which Brad Sarson, Student Section Vice-President, has arranged. On November 12, 1997, the students will have the opportunity to tour the Rockwell Automation facilities in Cambridge, Ontario. I am sure this will be a very interesting and informative experience for all that participate.

On behalf of the ISA Student Team I would like to thank the Sarnia Section Executive and SAC office from Lambton College for their financial support in sending us to participate in the ISA 1997 Student Competition in Anaheim, California. We would also like to thank Mike Grey, team faculty advisor, for all the time and effort he spent coordinating



the trip. The trip was a success for everyone who was involved. There were ten teams that participated in the competition, three from Canada, six from the United States, and one from Russia, which truly made for an international event. Special mention should be given to the team from St. Petersburg, Russia, for demonstrating their keen interest and knowledge in the field of instrumentation. Our team from Sarnia had an unofficial fourth place finish overall. The ISA Tech '97 show was an interesting display of all the latest and greatest advances in instrumentation. As a team we were able to attend the show and establish a number of job contacts. The Sarnia Team members included Ken Pollock, Bryan

Berry, Andrew Jenniskens, Steve Vouzoukos, and myself (Joe Steele). This year the ISA distributed the prize money equally among ten teams. A portion of this years proceeds has been donated towards the support of the 1998 Sarnia Student Team.

At this time, on behalf of myself, and the rest of the forthcoming graduating student members, I would like to thank the Sarnia Section for all their help and support to the Student Section. It has been a great experience for myself to be involved in the ISA association and I hope to continue as a full time member upon graduation. Hope to see you at the next ISA Dinner Meeting. Once again, Thank -You.

Joe Steele, *Student Section Newsletter Editor*

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1997 Exam Dates

October 18, 1997	Levels I, II & III
December 6, 1997	Levels I, II & III
February 7, 1998	Levels I, II & III
May 2, 1998	Levels I, II & III

Application Deadline

August 27, 1997
October 22, 1997
December 17, 1997
March 1, 1998

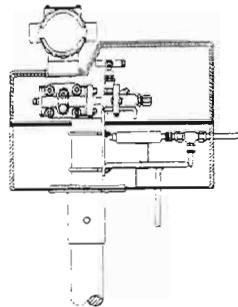
* The exam site at Bangor, Maine will offer the examination only on the following days: October 17 and December 5, 1997.

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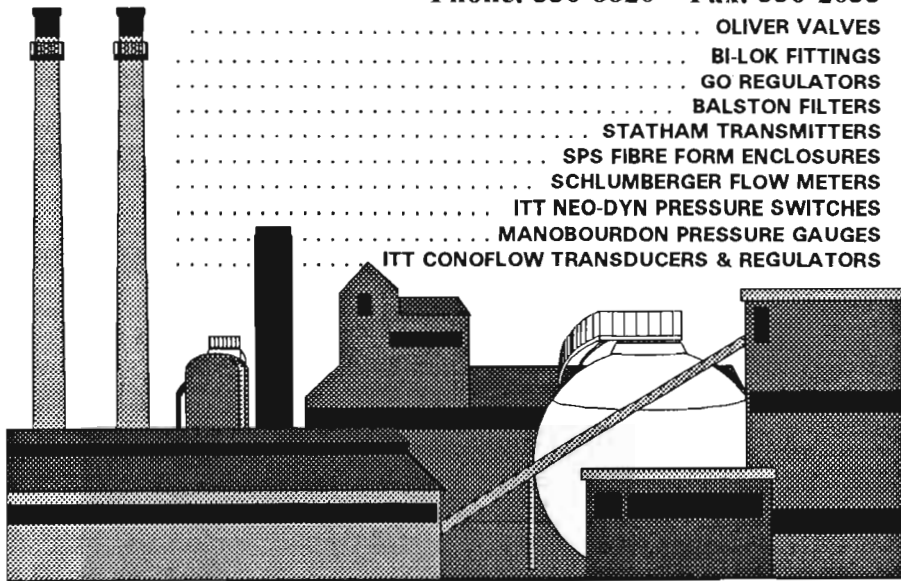
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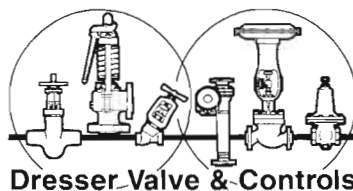
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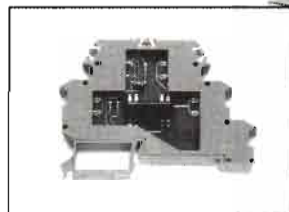
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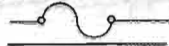
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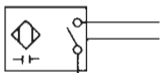
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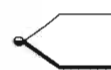
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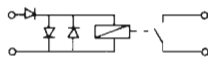
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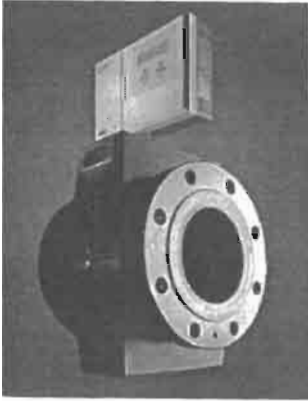
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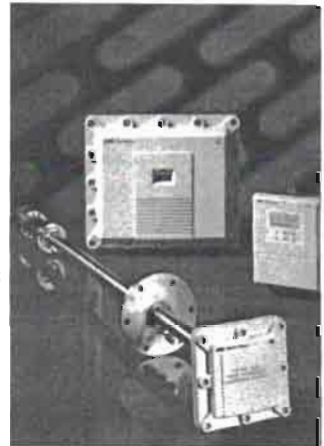


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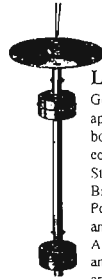
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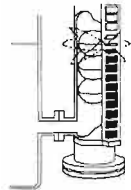


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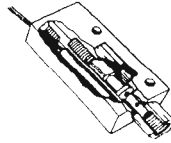
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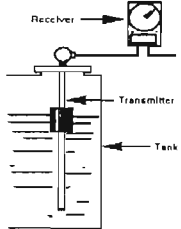
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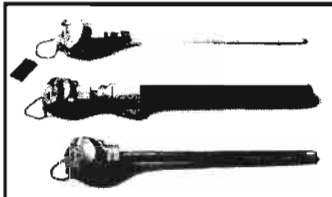
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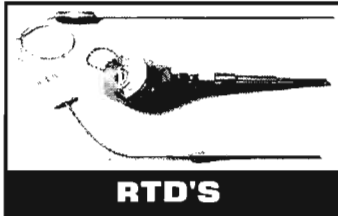
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The PLC vs the PC

This article is posted online for your convenience at:
www2.ebtech.net/~bsmith/plc-pc.htm

Have you heard that there is another alternative to the Programmable Logic Controller (PLC)? No it's not a DCS. It's a PC. A Personal Computer (PC) like the one on your desktop. Well, it could be but it tends to be more like an Industrial PC. There are a number of controversial issues because of the hardware and software required to perform the required functions.

The software issues tend to be the most controversial, especially operating systems and real time control. We all know that PLC's have dedicated proprietary operating and software systems. An Allen-Bradley PLC program does not run on a Modicon PLC and vice versa. The PLC programs run in a loop where the program executes from step one to the last step and back to step one and over and over. This is not the case with PC's. The operating system may run multiple parallel processes (threads) that may not all share equal processor (CPU) time.

The PC operating system (OS) may be the creation of Microsoft or another software company. Examples of Microsoft OS's are DOS, Windows 95[®] and Windows NT[®]. These OS's all have different characteristics. According to Microsoft, "Windows NT Workstation is the most powerful desktop operating system for the most demanding business needs. Users of mission-critical applications can take advantage of new 32 bit workstation solutions". Windows NT runs on the latest generation of microprocessors including Intel[®], Digital Alpha and MIPS[®]. It is a preemptive multi-tasking, multi-threading 32 bit operating system. BUT is it a real time operating system? What about the UNIX operating system that has been around for many years?

What is a real time OS? There are many definitions for real-time. The user has to determine what real-time means and define it to suppliers of hardware and software.

Examples of other software companies that make PC operating systems are QNX and SoftPLC.

Why is this an issue now? The price of PC hardware is falling, performance is rising and users are looking for standardized hardware and software that is easier to use and flexible. PLC programming software is also being standardized by meeting the IEC-1131-3 standard.

Online Articles

There have been many recent articles and information pages on the Internet about this subject.

Crossing PC/PLC Lines by Industrial Computing at:

<http://www.isa.org/journals/ic/features/jun97/pc-plc.html>

Control is migrating from the traditional PLC "black box" to a more software approach.

PC's in Control by Industrial Computing at:

www.isa.org/journals/ic/features/jun97/pc.html

PC-based control systems break the information barrier by letting you access and distribute data across the enterprise.

NT up Close by Industrial Computing at:

<http://www.isa.org/journals/ic/features/feb97/nt.html>

NT's strengths and weaknesses come to light when faced with the demands of industrial, real-time and embedded system development.

DCS, PLC or PC The System Decision by Control magazine at:

www.controlmagazine.com/0897/c044087.html

The PLC versus the PC by Forbes Magazine at:

www.forbes.com/forbes/97/0908/6005198a.htm

Who's in Control of the Factory Floor? By Industry.net at:

www.industry.net/news/pc_plc.htm

Software turns PC's into PLC's by Control Engineering Magazine at:

<http://www.manufacturing.net/magazine/ce/archives/1997/ct10801.97/08gcsr.htm>

(Continued on Page 47)

Real-time Control Systems:

NT versus UNIX is the wrong question by Chemical Processing Magazine at:

www.chemicalprocessing.com/protected/cp797/spot-1.shtml

There are several factors to consider when choosing an operating system, of which hard real-time performance is the major one. A Real Time Operating System (RTOS) must provide preemptive multi-tasking. Preemptive means that the OS can interrupt the execution of a task at any time and does not need the cooperation of the task itself. Multi-tasking means that it may choose to support multiple threads or processes. This article also addresses PC Reliability and Software fault Tolerance.

Real Time Encyclopedia web site at : www.realtime-info.be provides you with all the information you need about real-time issues.

Web Sites

The following company web pages contain product information:

Allen-Bradley	www.ab.com
ASAP Software	www.asapinc.com
Control Technology Corp.	www.control.com
Cuttler-Hammer	www.cuttler-hammer.com
GE Fanuc Automation	www.ge.com/gemis/gefanuc/
IO Works by VMIC	www.vmic.com
Nematron	www.nematron.com
PLC Direct	www.plcdirect.com
PLC Open (IEC 1131-3)	www.plcopen.org
QNX	www.qnx.com
SoftAutomation	www.softautomation.com/
SoftPLC	www.softplc.com
Steeplechase Software	www.steeplechase.com
Taylor Software	http://198.161.96.162/main.htm
Wizdom Controls	www.wizdom.com

References

1. "Is PC-Based Control For You?" by Cynthia M. Hollenbeck, presented at ISA Tech'97.
2. "IOWorks Base Package – Software Application Guide" by VMIC, Jan. 14/97. IOWorks™ is a suite of software components, compliant to IEC-1131-1 and Microsoft® new key technologies such as OLS and ODBC, that is available from VMIC to support the configuration, implementation programming, monitoring and control of data acquisition and control products. The IOWorks Base Package is a Windows NT™ operating system product designed to support the development of soft logic systems.
3. "Steeplechase Handbook : A Practical Guide to PC-Based Control and Flow Chart Programming" by Steeplechase Software. As PLC veterans, the authors of this Handbook experienced the frustrations of using proprietary PLCs. They understand your concerns about moving from PLC to PC-based control.
 - How did the PC come to replace the PLC for machine control?
 - What are the real benefits of PC-based control?
 - What are the differences between soft logic and hard real-time control?
 - How do I retrofit an existing PLC control system?
 - Why has flow chart programming become the standard language for PC-based control?
4. "Softlogic: Overcoming Funnel Vision". How and why IEC-1131 based SoftLogic frees the enterprise to become agile and profitable.

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| Control | | |
| Data Acquisition | CEWE | <ul style="list-style-type: none"> • Electrical Measurement Transducers - Analogue Indicators |
| | Validyne | <ul style="list-style-type: none"> • P.C. Based Data Acquisition Cards Modular Signal Conditioners |
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ISA Sarnia Section "Dinner Meeting Notice"

Monday, November 24, 1997

Sarnia Golf & Curling Club

500 Errol Road West, Sarnia

Phone: (519) 336-2201

Cocktails 6:00 p.m. Dinner 7:00 p.m.

All Guests are Welcome!



GUEST SPEAKER

Ernie Higginson

Topic: Non-Contacting Level & Flow Management

M • E • N • U

Caesar Salad

•

Pickerel

•

Parsley Boiled Potatoes,
Vegetable Medley

•

Black Raspberry Parfait



** For special dietary needs contact Hilda White at the Sarnia Golf and Curling Club 48 hours prior to meeting date.*

NOTE: KINDLY BOOK BEFORE DEADLINE INDICATION

Please phone in your reservation by Thursday, November 20

to either Gayle at Provincial Controls... 336-7301

or Maureen at Willer Engineering... 336-3006

Members \$10 • Guests \$15

Note: ALL Members and guests are requested to reserve in advance. Please oblige... we need your support to plan your evening!

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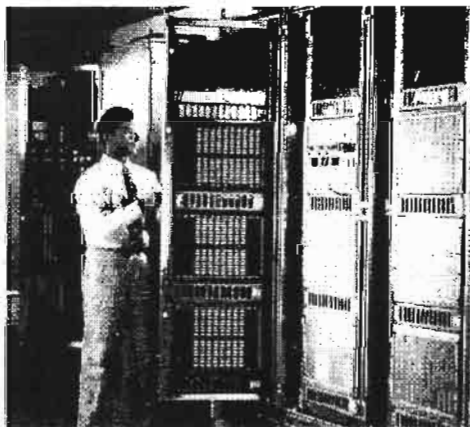


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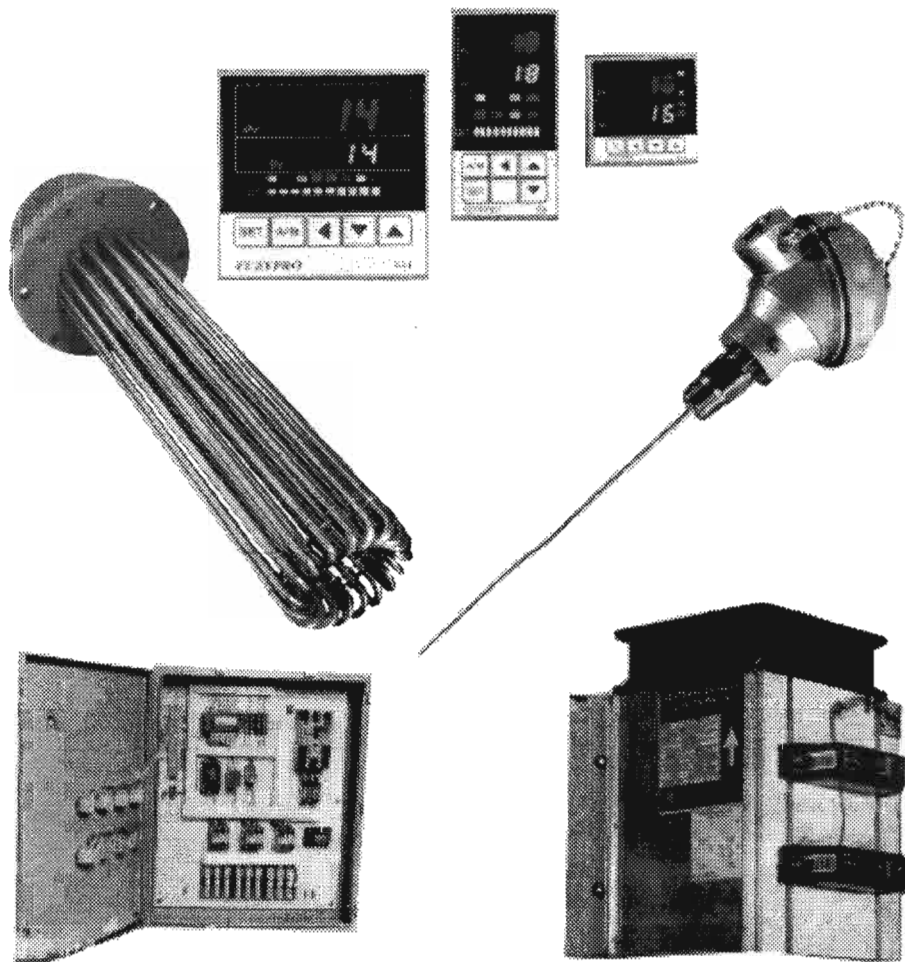
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NEW ISA GROUP INTERNET RATES

Our group account at Electro-Byte is finished. They do have a \$10/month for 10 hours with \$2/hour overcharge. Accounts are 3 months prepaid. A new Sarnia Industrial Professionals Group account is now in effect at Xcelco. This group includes all ISA members and others. There are a number of packages available. See below.

XCELCO INTERNET

SARNIA INDUSTRIAL PROFESSIONAL GROUP

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 ICS - Industrial Computing Society
 PMAC - Purchasing Management Association of Canada
 IEEE - The Institute Of Electrical And Electronics Engineers Inc
 OACETT - Ontario Association of Certified Engineering Technicians and Technologists

ISA - Instrument Society of America
 PEO - Professional Engineers of Ontario

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** In home setup allows for 1 hour setup time, additional time will be billed at \$20.00 per hour.
 ** First months fee is payable to dealer at setup time.

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Novatech is pleased to announce that Mrs. Colleen Glover, P. Eng. has joined the Novatech team as Project Coordinator. Colleen is an electrical engineering graduate from Concordia University and brings to Novatech over seven years experience in the field of technical support. Novatech wishes Colleen every success in this new challenge.

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A new brochure, Presenting the Rosemount APEX Radar Gauge. Delivering Reliable Level Measurement, is now available from Rosemount Inc. The four page brochure describes the APEX Gauge's unsurpassed reliability and performance in process applications. For a free copy of Presenting the Rosemount APEX Radar Gauge. Delivering Reliable Level Measurement (reference number 00803-0100-1066), contact a Rosemount representative.

Rosemount introduces the Model 644 Smart Temperature Transmitter which uses digital technology and Application Specific Integrated Circuits (ASICs) to ensure high accuracy and signal integrity. The Model 644H installs in a connection head mounted directly on a sensor assembly, apart from a sensor assembly using a junction box or to a DIN rail using an optional mounting clip.

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- TOC
- FTIR

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- Control Valve Instrumentation

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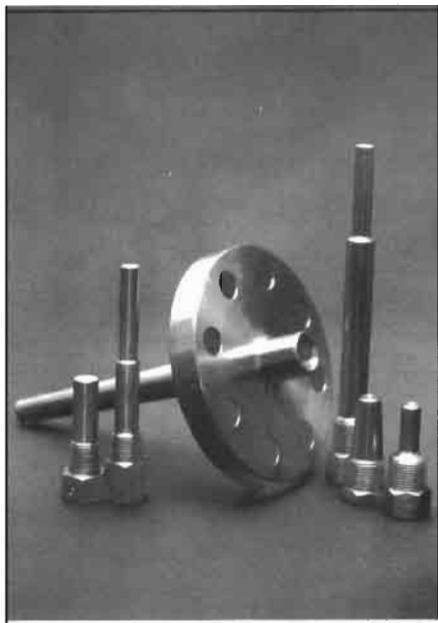
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Transcat
Transcat
Westech Industrial Ltd.
Milltronics Limited
Provincial Controls
TubeTech Ltd.
Transcat
Alpha Controls & Instrumentation
Transcat
Transcat
Transcat
Brian Controls
Transcat
Westech Industrial Ltd.
Hardie Industrial Services Inc.
Transcat
Flovat Equipment Ltd.
Controls
Great Lakes Industrial Controls
Transcat
Cambridge Controls
Cantech Controls
Omnitronix
Moore Products Co. (Canada) Inc.
Lisle-Matrix Ltd.
Provincial Controls
Romatec
Controls
Transcat
Alpha Controls & Instrumentation
Heaters Controls & Sensors Ltd.
Armatek Controls
Willer Engineering
BEP Bestobell Canada Ltd.
Great Lakes Industrial Controls
Matheson Valves
TubeTech Ltd.
WESCO
Westburne Lytle
Flovat Equipment Ltd.
Brian Controls
Romatec
Transcat
BEP Bestobell Canada Ltd.
ProSigma Analytics Inc.
Transcat
Sarnia Piping Specialties
Great Lakes Industrial Controls
Davis Controls
Transcat
Transcat
Transcat

Manufacturer / Tradename

Azonix
B&K
B.N.W.
B/W Controls
Babbitt
Bacharach
Backos
Badger Meter Inc.
Badger Meter Inc.
Bailey/Fischer & Porter
Balluff
Balston Filters
Barber Colman
Barber Colman
Barksdale
Barnant
Barnant
Barton
Baumann
Beacon Electronics
Beamex
Bebco Industries
Beebe
Beha
BEI - Baldwin Environmental Inc.
BEI - Baldwin Environmental Inc.
Bellofram
Benedict Computer
Benke
Bestobell Steam, Div. of Richards Ind.
Bestobell Valves
Beta
Beta
Beta Calibrators
Biccotest
Biddle
Biddle/Avo
Bi-Lok Fittings
Binmaster
Bin-Master
BJM
BLH Electronics
Bodenseewerk/Perkin Elmer
Boiler-Gard
Bomem
Bourdon-Sedeme (Manobourdon) Gauges
Brandt
Bristol Babcock
Brooklyn Thermometer
Brooks
Brown & Sharpe
Brultech
BS & B
BTG Inc.
BTG Polymetron
Burkert
Burkert
Burkert
BW
Cajon Pipe Fittings
Cal
Calculated Instrumntms
California Analytical
Canadian Meter
Can-Ross
Cantech Systems
Carle Chromatography
Carlo Gavazzi
Carlo Gavazzi-Dupline
Cash-Acme
Cashco Canada, Inc.
Cashco Canada, Inc.
Castell Interlocks
CCS - Custom Control Sensors
Cel Instruments
Cellex
Cellex
Celtek Electronics, Inc.
Cemco
Centre Line
Century Instrument
Cerabar
CEWE
Chandler
Chatam Controls
Checkpoint Systems
Chemelex

Local Sales Representative

Transcat
Transcat
Flovat Equipment Ltd.
Ovantum Sales Inc.
BSP Instruments
Transcat
Great Lakes Industrial Controls
J & M Engineering & Sales Ltd.
Summit Controls Ltd.
TubeTech Ltd.
Davis Controls
Sarnia Piping Specialties
Davis Controls
Ovantum Sales Inc.
TubeTech Ltd.
Heaters Controls & Sensors Ltd.
Transcat
Armatek Controls
Lakeside Process Controls
R.A. Kirby Sales Inc.
Transcat
Cantrols
Transcat
Transcat
Willer Engineering
Romatec
Transcat
Westech Industrial Ltd.
BEP Bestobell Canada Ltd.
BEP Bestobell Canada Ltd.
Armatek Controls
Transcat
Line Process Controls
Transcat
Transcat
Transcat
Sarnia Piping Specialties
Cancoppas Limited
Regional Process Equipment
Transcat
CB Engineering
CEM Specialties Inc.
Lisle-Metrix Ltd.
ProSigma Analytics Inc.
Sarnia Piping Specialties
Willer Engineering
Sharp Valve & Instrumentation
Transcat
Great Lakes Industrial Controls
Transcat
Transcat
Romatec
Summit Controls Ltd.
ProSigma Analytics Inc.
Line Process Controls
Ovantum Sales Inc.
Summit Controls Ltd.
Brian Controls
Huron Valve & Fittings
Davis Controls
Transcat
Brian Controls
BSP Instruments
SPEC (Sarnia) Limited
Cantech Controls
R.A. Kirby Sales Inc.
Heaters Controls & Sensors Ltd.
Davis Controls
Westburne Lytle
Cambridge Controls
Provincial Controls
Great Lakes Industrial Controls
Industrial Projects Ltd.
Transcat
Armatek Controls
SPEC (Sarnia) Limited
Cantrols
Cantech Controls
Matheson Valves
Sarnia Piping Specialties
Endress + Hauser
Cancoppas Limited
Transcat
Heaters Controls & Sensors Ltd.
Cantech Controls
Cantech Controls

Manufacturer / Tradename

Chemical Systems
Chemline
Chemtrol
Chemtrol
Chessell
Clif Mock
CM - Century Valve
Colder
Columbia Scientific
CompuFlo III
Computer Keyboard Systems (CKS)
Conant Controls Inc.
Conant Valves
Conders
Conerstone
Conoflow ITT
Consolidated
Consolidated Controls
Con-Tek
Control Instruments Corp.
Control Microsystems
ControlAir Inc.
ControlAir Inc.
Cooke
Cooper Instruments
Cosa
Cosa
CRL
Crowcon
Crowcon Gas Detection
Crystal
CSI - Microloggers
Cunico
Cutler-Hammer
Cutler-Hammer
Cutler-Hammer IDT
Cybex
Cybex
Dahl
Danaher Controls
Danfoss
Danfoss Mfg. Co. Ltd. - Denmark
Daniel
Daniel Industries
Daniel Industries Canada
Data Industrial Corporation
Data Precision
Datacom Technologies
Datatest
Datatran
Datexel
Davenport
Dekorun Unitherm
Delavan
Delphian
Delta Controls
Delta F Corporation
Deltabar
Delta-M
Deltapilot
Deltavalve
Detector Electronics (Dettronics)
Devar
Devar
DewPro
Dewrance
DeZurik
DGH
DGS - Dover Gas Technologies
Dickson
Digitec
Digitec
Digitron
Dixson
Dixson, Inc.
Dopak
Dow Plastic Lined Piping Products
DPL Plus
Drager
Drainall
Dresser / Heise
Druck
Ducon Environmental Systems
Durabla
Durakool
Dwyer
Dwyer

Local Sales Representative

R.A. Kirby Sales Inc.
Flovial Equipment Ltd.
U & I Supply
WESCO
Willer Engineering
Westburne Lytle
Brian Controls
Davis Controls
R.A. Kirby Sales Inc.
Milltronics Limited
CB Engineering
Industrial Projects Ltd.
Provincial Controls
Transcat
Transcat
Matheson Valves
Contro Valve Inc.
Transcat
Lakeside Process Controls
Willer Engineering
Brian Controls
Cambridge Controls
WESCO
Transcat
Transcat
Brian Controls
Transcat
Cancoppas Limited
Cancoppas Limited
Regional Process Equipment
Transcat
Campbell Scientific (Canada) Corp.
BSP Instruments
Cantech Controls
WESCO
Cantech Controls
CB Engineering
CB Engineering
Armatek Controls
J & M Engineering & Sales Ltd.
Davis Controls
Lisle-Matrix Ltd.
Westech Industrial Ltd.
Controls
Controls
Cambridge Controls
Transcat
Transcat
R.A. Kirby Sales Inc.
Transcat
Transcat
Omnitronix
Great Lakes Industrial Controls
Armatek Controls
Romatec
CTH Industrial Controls
ProSigma Analytics Inc.
Endress + Hauser
Brian Controls
Endress + Hauser
Summit Controls Ltd.
CB Engineering
Cantech Controls
Transcat
Endress + Hauser
Contro Valve Inc.
Flovial Equipment Ltd.
Alpha Controls & Instrumentation
Veronics Inc.
Transcat
Brian Controls
Durham Instruments
Transcat
Transcat
CTH Industrial Controls
Westburne Lytle
Sarnia Piping Specialties
Milltronics Limited
Draeger Canada Ltd.
Great Lakes Industrial Controls
BSP Instruments
Transcat
R.A. Kirby Sales Inc.
Sharp Valve & Instrumentation
Davis Controls
Cantech Controls
Davis Controls

Manufacturer / Tradename

Dwyer
Dwyer
Dwyer DP Gauges/Switches
Dylon
Dynamation
Dynapar
E.G. & G. Chandler
E.I.L. Instruments
Eagle Signal
EAI
Eaton IDT
ECD
EchoMax
Echotel Ultrasonic
EcoFLUX
ECOM America Ltd.
Edgetech
EG & G Berthold
EG & G Flow Technology Inc.
EIT
Elasto-Valve
Elcometer
Eldridge
Eldridge Products
Electromatic
Electromatic
El-O-Matic
Elremco Timers - England
Elsag Bailey
Elsag Bailey Analytical Division
EMCO
Empro Shunts
Enardo
Endress + Hauser
Enertrul Shock Absorbers
Engineered Valves International (E.V.I.)
Enraf Inc.
ENU
Environmental Technologies Group Inc.
EPD Technology
Epic
Erdco
Erhard Valves - Germany
Ernst Flow & Level
ETC
Etcon
Euchner
Eurotherm
Eurotherm
Eurotron
Exact Flow
Exergen
Exotherm
Exper Tune
Expo Safety Systems
Extech
F.B. Leopold - USA
F.W. Bell
F.W. Murphy
Fairchild
Farris
Farris Relief Valves
FCI
Fieldview
Fike
Fike Canada Inc.
Fischer & Porter
Fischer & Porter
Fisher Controls
Fisher Reseach
Fisher Service
Fisher-Rosemount Petroleum
Fisher-Rosemount Systems
Flexibox
Flow & Level Controls
Flow Meter Co. - England
Flowdata Inc.
Flow-Lin
Flowline
Flowseal
Flow-Tek
Fluid Data/Amcor
Fluidic
Fluke
Fox Industries
Foxboro
Foxcroft

Local Sales Representative

Hardie Industrial Services Inc.
Transcat
Provincial Controls
Great Lakes Industrial Controls
Transcat
Davis Controls
R.A. Kirby Sales Inc.
Transcat
Davis Controls
Transcat
Cantech Controls
Novatech
Milltronics Limited
Provincial Controls
Moore Products Co. (Canada) Inc.
R.A. Kirby Sales Inc.
Alpha Controls & Instrumentation
Westech Industrial Ltd.
CB Engineering
Novatech
WESCO
Transcat
Cancoppas Limited
Trillum Measurement and Control
Davis Controls
Heaters Controls & Sensors Ltd.
Westburne Lytle
Lisle-Metrix Ltd.
TubeTech Ltd.
ProSigma Analytics Inc.
Davis Controls
Transcat
Zirco Ltd.
Regional Process Equipment
Provincial Controls
Westburne Lytle
Willer Engineering
Durham Instruments
Novatech
Transcat
Cancoppas Limited
BEP Bestobell Canada Ltd.
Lisle-Metrix Ltd.
Provincial Controls
Transcat
Transcat
Davis Controls
Heaters Controls & Sensors Ltd.
Transcat
BSP Instruments
R.A. Kirby Sales Inc.
Heaters Controls & Sensors Ltd.
Heaters Controls & Sensors Ltd.
Summit Controls Ltd.
Syber Systems Inc.
Transcat
Lisle-Metrix Ltd.
Transcat
Cantech Controls
Line Process Controls
Floval Equipment Ltd.
Provincial Controls
Willer Engineering
Lakeside Process Controls
Sharp Valve & Instrumentation
Brian Controls
Elsag Bailey
TubeTech Ltd.
Lakeside Process Control
Transcat
Lakeside Process Controls
Trillum Measurement and Control
Lakeside Process Controls
U & I Supply
Trillum Measurement and Control
Lisle-Metrix Ltd.
J & M Engineering & Sales Ltd.
BSP Instruments
Davis Controls
Matheson Valves
Summit Controls Ltd.
Armatek Controls
CB Engineering
Transcat
BEP Bestobell Canada Ltd.
SPEC (Sarnia) Limited
Cancoppas Limited

Manufacturer / Tradename

FPP
Frontline
Fuji
Fuji Electric
Fuji Electric
Fujikin of America Inc.
Fulier
Furon
Furon
Fuzypro
G. H. Flow
G.L. Stebbins Co.
G. W. Dahl
Galtek
Gamma Silometer
Gasco Gas Analysis Systems Company, Inc.
Gastech
Gastech Instruments
Gems Sensors
Gemu
General Eastern
General Radio
General Resistance
Geokon
George Fischer +GF+
GGOSCO Needle Valves
GGOSCO Valves
GH Flow Automation
Gitta Proximity Sensors
Global
GO Regulators
GO Switch (Proximity)
GP:50
GPE
GPI
Graham Manufacturing
Gralab
Granucor
Granulflow
Granumet
Graseby / STI
Great Plains Industries
Greyline Instruments, Inc.
Griswold Separators
Gulf Valve
Gyrolok
H.D. Baumann
Hach
Hancock
Hanna
Hansen Quik Connects
Hardy Instruments
Hart Scientific
Hart Scientific
Hartman & Braun
Hartman-Technica
Harwil Corp.
Hathaway
Hathaway / Beta
Haven
Haws
Hayward
Hayward
HCS
HD Electric Company
Hecon
Hedland
Hedland Flowmeters
Heise
Heise
Hersey Flow Measurement
Hewlett Packard
Hex Valve
Hiltap Couplers
Hiltroft
Hitachi
Hoffer Flow Controls - USA
Hoke
Honeywell
Honeywell - Controllers & Recorders
Honeywell - Instruments
Honeywell - Instruments
Honeywell - Recorders
Houston Atlas
Huntron
Hyberlab
Hycal

Local Sales Representative

Cancoppas Limited
Transcat
Heaters Controls & Sensors Ltd.
Transcat
WESCO
Ovantum Sales Inc.
Syber Systems Inc.
Great Lakes Industrial Controls
Intertec
Heaters Controls & Sensors Ltd.
Cantech Controls
BSP Instruments
Armatek Controls
Romatec
Endress + Hauser
Novatech
Transcat
R.A. Kirby Sales Inc.
IMO Industries
Matheson Valves
Willer Engineering
Transcat
Transcat
Campbell Scientific (Canada) Corp.
Brian Controls
Westburne Lytle
Hardie Industrial Services Inc.
Ovantum Sales Inc.
Heaters Controls & Sensors Ltd.
Transcat
Sarnia Piping Specialties
Lakeside Process Control
Omnitronix
Sharp Valve & Instrumentation
Transcat
Lakeside Process Controls
Transcat
Endress + Hauser
Endress + Hauser
Endress + Hauser
CB Engineering
Armatek Controls
Controls
Flovat Equipment Ltd.
Cantech Controls
Summit Controls Ltd.
Lakeside Process Controls
Fryston Canada Inc.
Contro Valve Inc.
Transcat
Provincial Controls
CTH Industrial Controls
Alpha Controls & Instrumentation
Transcat
TubeTech Ltd.
Transcat
Ovantum Sales Inc.
Line Process Controls
Transcat
Cancoppas Limited
Great Lakes Industrial Controls
CTH Industrial Controls
Summit Controls Ltd.
Great Lakes Industrial Controls
Transcat
Transcat
Brian Controls
R.A. Kirby Sales Inc.
BSP Instruments
Transcat
Flovat Equipment Ltd.
Transcat
Sharp Valve & Instrumentation
U & I Supply
Syber Systems Inc.
Transcat
Lisle-Metrix Ltd.
Summit Controls Ltd.
Davis Controls
Provincial Controls
Brian Controls
Flovat Equipment Ltd.
Transcat
R.A. Kirby Sales Inc.
Transcat
Transcat
Davis Controls

Manufacturer / Tradename

HydroGuard
Hytork
IBM Industrial Computers
ICC Federated
Ice
ICI
IET Labs
IMI Cash Valve
Imperial Eastman Fittings
Imperial Eastman Fittings
IMS
Industrial Control
Industrial Scientific
Industrial Sensors
Industrial Tech. Services
Ingredient Masters
Innovative Sensors Inc.
Inor
Instek America
Intellution
Intempco Controls Ltd.
Intempco Controls Ltd.
Interface
Interface
International Data Sciences
International Instruments
International Sensor Technology
Ion Track Instrumentation (ITI)
Ionics Instrument Division
Iotron
Iron
ISI
Isolok
Isotek
ITT Barton Instruments
ITT Conoflow Transducers & Regulators
ITT Engineered Valves
ITT Neo-Dyn Pressure Switches
ITT Pomona
IVO Industries - USA
J.M. Canty, Inc.
Jacoby Tarbox
Jerguson Level Gauges
Jewell
Jofra
Johnson Yokogawa
Jordan Controls, Inc.
J-Tec
Julius Bauser - Germany
JUM
Kammer Valves
Kane-May
Kates
Kavlico
Kay Ray / Sensall
Kaye
Kaye Instruments
KDG Mobrey
Keddco Mfg. Ltd.
Keller
Kenmac
Kent Meters
Kenwood USA
Kep
Kep
Ketema
Keystone
KF Industries
Kinetrol Actuators
Kinetrol Actuators
King Instrument Company
King Valves
Kipp & Zonen
Kipp & Zonen
Kistler-Mores
Kitz
KL Flow
Klinger
Klinger
KNF Neuberger
Kobold
Kobold
Kobold
Koch
Komax Heaters
Kotron Capacitance
Kreyenborg

Local Sales Representative

Endress + Hauser
Matheson Valves
CB Engineering
Transcat
Transcat
Cancoppas Limited
Transcat
BSP Instruments
Provincial Controls
U & I Supply
Great Lakes Industrial Controls
Transcat
Brian Controls
Heaters Controls & Sensors Ltd.
BSP Instruments
Ovantum Sales Inc.
ProSigma Analytics Inc.
Alpha Controls & Instrumentation
Transcat
CB Engineering
Cantech Controls
Matheson Valves
Durham Instruments
Willer Engineering
Transcat
Transcat
Industrial Projects Ltd.
BEP Bestobell Canada Ltd.
Veronics Inc.
WESCO
Willer Engineering
Heaters Controls & Sensors Ltd.
Great Lakes Industrial Controls
Transcat
Armatec Controls
Sarnia Piping Specialties
Romatec
Sarnia Piping Specialties
Transcat
Lisle-Metrix Ltd.
Cambridge Controls
Romatec
Romatec
Transcat
Transcat
CB Engineering
Cambridge Controls
Brian Controls
Lisle-Metrix Ltd.
BSP Instruments
Matheson Valves
Transcat
Westech Industrial Ltd.
Davis Controls
Rosemount Instruments
Transcat
CB Engineering
BEP Bestobell Canada Ltd.
U & I Supply
Campbell Scientific (Canada) Corp.
Great Lakes Industrial Controls
BSP Instruments
Transcat
Brian Controls
Transcat
Brian Controls
Cantech Controls
Great Lakes Industrial Controls
Hardie Industrial Services Inc.
Provincial Controls
Industrial Projects Ltd.
Zirco Ltd.
Durham Instruments
Transcat
Ovantum Sales Inc.
Matheson Valves
Cancoppas Limited
Davis Controls
SPEC (Sarnia) Limited
Transcat
Cancoppas Limited
Regional Process Equipment
Transcat
Romatec
Sharp Valve & Instrumentation
Provincial Controls
Great Lakes Industrial Controls

Manufacturer / Tradename

Krohne
Krohne
K-Sun
K-Tek
KTM Ball Valves
Kuebler Control Eng.
Kurz
Kurz
Kyoritsu
Kyowa
L & J Technologies
L.J. Star Inc.
LAGCO Flumes - USA
Land
Larad
Laurel Electronics
Laurence
LC Meters
LCI-Luwa
Leader
Leaderline
Lee-Dickens Ltd. - England
Leica
Leine & Linde
Lem
LEOPOLD
Leslie
LFE API Instruments
LFE Instruments - USA
LI-COR
Limitorque
Linatex
Liquid-O-Ring
Liquiphant
Lloyd
LMI
LMI
Logic Beach
Logic Bench
Lucas Novasensor
Ludlow-Renssealer
Lufran
Lumenite Electronic Company
M & C Products
M point
M&G Check Valves
M. System
M.T.L.
M.T.S.
MA - Molecular Analytics LLC
Macro Sensors
MacWeld
Madison
Madison Co.
Madur Electronics
Magnetrol
Magnetrol Level & Flow
Maihak
Manobourdon Pressure Gauges
Marine Moisture Co.
Martel Electriconics
Masonellan
Massa
Master Appliance
Max
McCrometer
MCS
MDA Scientific
MDI
Measurement Systems
Meeco Inc.
Mensor
Mercoïd
Meriam Instruments
Meriam
Mesa Laboratories
Met One
Metratek
Metrix
Metrix Timers
Metrohm
Mettler Toledo (Ingold)
Micon
Micro Motion
Micro Wire Products
Micropilot
MicroRanger

Local Sales Representative

Moore Products Co. (Canada) Inc.
Summit Controls Ltd.
Transcat
CB Engineering
Regional Process Equipment
Ovantum Sales Inc.
Brian Controls
Transcat
Omnitronix
Omnitronix
Line Process Controls
J & M Engineering & Sales Ltd.
Lisle-Metrix Ltd.
Transcat
Syber Systems Inc.
Transcat
Great Lakes Industrial Controls
SPEC (Sarnia) Limited
Great Lakes Industrial Controls
Transcat
Honeywell
Lisle-Metrix Ltd.
Transcat
Durham Instruments
Transcat
Lisle-Metrix Ltd.
Great Lakes Industrial Controls
Transcat
Lisle-Metrix Ltd.
Campbell Scientific (Canada) Corp.
Sharp Valve & Instrumentation
Flovat Equipment Ltd.
Great Lakes Industrial Controls
Endress + Hauser
Omnitronix
Novatech
U & I Supply
Durham Instruments
Transcat
Durham Instruments
Sharp Valve & Instrumentation
Heaters Controls & Sensors Ltd.
J & M Engineering & Sales Ltd.
CEM Specialties Inc.
Endress + Hauser
Matheson Valves
Alpha Controls & Instrumentation
Provincial Controls
R.A. Kirby Sales Inc.
Novatech
Durham Instruments
Heaters Controls & Sensors Ltd.
BEP Bestobell Canada Ltd.
Ovantum Sales Inc.
Novatech
Flovat Equipment Ltd.
Provincial Controls
Westech Industrial Ltd.
Sarnia Piping Specialties
R.A. Kirby Sales Inc.
Transcat
Contro Valve Inc.
Durham Instruments
Transcat
Willer Engineering
Brian Controls
Heaters Controls & Sensors Ltd.
Westech Industrial Ltd.
Heaters Controls & Sensors Ltd.
Durham Instruments
Novatech
Transcat
Davis Controls
Brian Controls
Transcat
Armatek Controls
Campbell Scientific (Canada) Corp.
Transcat
Transcat
Lisle-Metrix Ltd.
Transcat
Westech Industrial Ltd.
Cantech Controls
Rosemount Instruments
SPEC (Sarnia) Limited
Endress + Hauser
Milltronics Limited

Manufacturer / Tradename

Mid-West Instrument
Mid-West Instrument
Mihjets
Mihproducts Division
Mikron
Mikron
MillFlo
Milltronics
Milton Roy - Liquid Metronics Division
Milwaukee
MiniRanger Plus
Mini-X Purge Systems
Mini-Z Purge Systems
Mitac
Mitsubishi
Mitutoyo
MKS
Mobrey
Modutec
Monarch
Monitek
Monitor Labs
Monitor Labs
Moore
Moore
Moore Industries
Moore Products
M-Tek
MTL
MTL Intrinsic Safe Barriers
Mueller
Multicap
Multiglass
MultiRanger Plus
Mycro
Myron L
Nassau Instrument
National Meter
NBS
NDT International
Neilsen-Kuljian
Neles-Jamesbury
NemaSoft
Neotronics
NICE
Nilcor
Nivocompact
Nivosonic
Norriseal Butterfly Valves
Norstat
Northern Vibrator
Noshok
Novatech Engineering Group
Numatics Cylinders
Numatics F/R/Ls
Numatics Solenoid Valves
Nupro Valves
Nusonics
Oakton
O'Brien Corporation
OCM III
Ogden
Ogden
Ogontz
Ohmart Vega
Oil Gear
Oilgear
Oldham
Olin Instruments
Oliver Valves
Optek
Optex
Optima
Opto 22
Orange Research DP Switch
Orbe Knife Gates Valves
Orion
OSI Semitronic
Pace
Pacer Industries
Pamark Manifolds
Panalarm
Panalarm
Panametrics PCI Division
Papailias
Parker Fluid Connectors
Partlow

Local Sales Representative

Brian Controls
Hardie Industrial Services Inc.
SPEC (Sarnia) Limited
SPEC (Sarnia) Limited
Armatek Controls
Transcat
Milltronics Limited
Milltronics Limited
U & I Supply
Flovac Equipment Ltd.
Milltronics Limited
Syber Systems Inc.
Syber Systems Inc.
CTH Industrial Controls
Davis Controls
Transcat
Transcat
BEP Bestobell Canada Ltd.
Transcat
Transcat
Willer Engineering
Brian Controls
Romatec
Moore Products Co. (Canada) Inc.
Summit Controls Ltd.
Armatek Controls
Transcat
Transcat
Syber Systems Inc.
Provincial Controls
Great Lakes Industrial Controls
Endress + Hauser
Great Lakes Industrial Controls
Milltronics Limited
Moore Products Co. (Canada) Inc.
Transcat
Transcat
Transcat
Transcat
Transcat
Summit Controls Ltd.
Davis Controls
Cantech Controls
Cancoppas Limited
Contro Valve Inc.
Endress + Hauser
Endress + Hauser
Sarnia Piping Specialties
Davis Controls
Flovac Equipment Ltd.
IMO Industries
Novatech
Provincial Controls
Provincial Controls
Provincial Controls
Huron Valve & Fittings
Armatek Controls
Transcat
CB Engineering
Milltronics Limited
Durham Instruments
Heaters Controls & Sensors Ltd.
Cantech Controls
TubeTech Ltd.
Armatek Controls
BEP Bestobell Canada Ltd.
Cantech Controls
Veronics Inc.
Sarnia Piping Specialties
R.A. Kirby Sales Inc.
Heaters Controls & Sensors Ltd.
Westech Industrial Ltd.
CB Engineering
Provincial Controls
Regional Process Equipment
Transcat
CTH Industrial Controls
Transcat
Transcat
Provincial Controls
Cambridge Controls
Willer Engineering
Veronics Inc.
Great Lakes Industrial Controls
TubeTech Ltd.
WESCO

Manufacturer / Tradename

Patriot
Paul Mueller
PCME
Pelican
Penberthy Instruments
Penberthy, Inc.
Penny + Giles
Penny + Giles
Pepperl + Fuchs - USA
Perma-cal Gauges
Perma-Pure
PGI
PGI Valves & Manifolds
Phase Dynamics
Phipps & Bird
Pick Heaters
PMV
PMV
Polymetron
Porter Instrument Co. - USA
Powers
Powers Process Controls
Powers Process Controls
Powertronics
Precision Digital Corp.
Precision Digital Corp.
Precision Digital Corp.
Precision Digital Corp.
Precision Digital Corp.
Preso Meters Corp.
Preso Meters Corp.
Pribusin Inc.
Pribusin Inc.
Progressive Electronics
Prolevel
Promac
Promag
Promag
Promass
Proquip
Prosonic
Proteck
Provincial Instrument Enclosures
Provox
Prowirl
Proximity Controls
Pulsafeeder
Puriflucs
Pyromation, Inc.
QSDM
QSDM
Quadtech (Gen Rad)
Quality Control Equip.
R.M. Young
R.P. Adams
Radiant Heat
Ralston
Ralston
Ramsey Canada
Raychem
Raychem / Chemelex
Raytek
Raytek
Raytek
Raytek
Raytek
Raytek / UE
RC Systems
RdF
RdF
REBS
Regal
REK RKC
Reotemp
Research Control Valves
Resistoflex
Rexroth
Rezplast
RGS
RIMCO - Raingauges
RKC
Roberts Mfg.
Robertshaw
Rochester
Rochester Instrument Systems
Rohrback Cosasco Systems

Local Sales Representative

Durham Instruments
Great Lakes Industrial Controls
Westech Industrial Ltd.
Transcat
Hardie Industrial Services Inc.
Brian Controls
Cantech Controls
Durham Instruments
Lisle-Matrix Ltd.
Provincial Controls
Great Lakes Industrial Controls
Regional Process Equipment
Provincial Controls
Armatek Controls
Transcat
Sharp Valve & Instrumentation
Cancoppas Limited
Regional Process Equipment
ProSigma Analytics Inc.
Lisle-Matrix Ltd.
Line Process Controls
CTH Industrial Controls
Heaters Controls & Sensors Ltd.
Transcat
Alpha Controls & Instrumentation
Armatek Controls
Cambridge Controls
CTH Industrial Controls
Ovantum Sales Inc.
R.A. Kirby Sales Inc.
Floval Equipment Ltd.
Willer Engineering
Novatech
Provincial Controls
Transcat
Endress + Hauser
Line Process Controls
Endress + Hauser
Westburne Lytle
Endress + Hauser
SPEC (Sarnia) Limited
Endress + Hauser
BSP Instruments
Provincial Controls
Lakeside Process Control
Endress + Hauser
BEP Bestobell Canada Ltd.
Romatec
Great Lakes Industrial Controls
WESCO
Alpha Controls & Instrumentation
Willer Engineering
Transcat
Ovantum Sales Inc.
Campbell Scientific (Canada) Corp.
Great Lakes Industrial Controls
Heaters Controls & Sensors Ltd.
Heaters Controls & Sensors Ltd.
Transcat
Ovantum Sales Inc.
Great Lakes Industrial Controls
Cantech Controls
Alpha Controls & Instrumentation
CTH Industrial Controls
Heaters Controls & Sensors Ltd.
Transcat
WESCO
Great Lakes Industrial Controls
Cancoppas Limited
Transcat
Willer Engineering
Campbell Scientific (Canada) Corp.
Cancoppas Limited
Heaters Controls & Sensors Ltd.
Cantech Controls
Lakeside Process Control
Sharp Valve & Instrumentation
Great Lakes Industrial Controls
Great Lakes Industrial Controls
Syber Systems Inc.
Campbell Scientific (Canada) Corp.
Heaters Controls & Sensors Ltd.
BSP Instruments
Line Process Controls
Transcat
Sharp Valve & Instrumentation
Armatek Controls

Manufacturer / Tradename

Ronan
Roper Pump
Rosemount
Rosemount Analytical
Rosemount Analytical
Rosemount Combustion Control
Rosemount RS3 Systems
Rotek
Rotronic
Rotronic
Rotronic Instruments
Royce
RTP
Ruffneck Heaters
Rupture Pin Technology
Ruskin
Rustrack
Rustrak
S.P.S. Instrument Services
Saab
Saab Tank Radar Level
Samson
Samson
Schaevitz
Schlumberger/Neptune Flow Meters
Schonsted
Scientific Linings & Coatings
Sealed Unit Parts
Seametrics Inc.
SeaMetrics Inc.
Seepax
Selco / Asahi
Selco / Asahi
Senaco Plus
Senior Flexionics
Sensall
Sensit
Sensit
Sensorex
Sensorlink
Sensortech Systems Inc.
Sensörtronics
Sensotec
Sensycon
Sensycon
Sentry
Serge-Baril
Servomex
Setra
Sfere
Sfere
Shamrock Environmental
Shan Rod Inc.
Shand & Jurs
Shimpo
Showa
Sieger
Siemens Process Analyzers
Sierra Monitor
Signet Scientific
Sigrist-Photometer Co. - Switzerland
Silometer
Simpson
Sinclair Collins
Skinner
Smar
Smartline
SMC Knifegate
Sno-Trik
Solartron
Solent & Pratt
Soliphant
Solomat
SOR Inc.
South-West Meters
Southwest Valve
Sparling
SPL Plus
SPM
SPS Fibre Form Enclosures
SSI
SSI Equipment
SSI Strainers
Stahl
Statham Transmitters
Stewart Instruments
StoneL

Local Sales Representative

Industrial Projects Ltd.
U & I Supply
Rosemount Instruments
Rosemount Instruments
Trancat
Romatec
Lakeside Process Control
Trancat
Alpha Controls & Instrumentation
Durham Instruments
Trancat
Cancoppas Limited
Davis Controls
Great Lakes Industrial Controls
Zirco Ltd.
BSP Instruments
Trancat
Omnitronix
Sarnia Piping Specialties
Brian Controls
R.A. Kirby Sales Inc.
Ovantum Sales Inc.
Samson Controls
Durham Instruments
Sarnia Piping Specialties
Trancat
Cantech Controls
Trancat
Line Process Controls
Veronics Inc.
U & I Supply
CTH Industrial Controls
Trancat
Milltronics Limited
Regional Process Equipment
Alpha Controls & Instrumentation
Durham Instruments
Durham Instruments
Durham Instruments
Trancat
Trancat
Novatech
Durham Instruments
Line Process Controls
Elsag Bailey
TubeTech Ltd.
Fryston Canada Inc.
Great Lakes Industrial Controls
Novatech
Alpha Controls & Instrumentation
Cancoppas Limited
Regional Process Equipment
ProSigma Analytics Inc.
Flovat Equipment Ltd.
Line Process Controls
Trancat
Durham Instruments
Westech Industrial Ltd.
Willer Engineering
Trancat
Hardie Industrial Services Inc.
Lisle-Matrix Ltd.
Endress + Hauser
Trancat
Summit Controls Ltd.
Cantech Controls
BSP Instruments
Honeywell
Matheson Valves
Huron Valve & Fittings
Westech Industrial Ltd.
BSP Instruments
Endress + Hauser
Trancat
Durham Instruments
Sarnia Piping Specialties
Flovat Equipment Ltd.
Brian Controls
Milltronics Limited
Trancat
Sarnia Piping Specialties
Great Lakes Industrial Controls
Flovat Equipment Ltd.
Matheson Valves
Alpha Controls & Instrumentation
Sarnia Piping Specialties
Flovat Equipment Ltd.
Regional Process Equipment

Manufacturer / Tradename

StoneL
Storage Battery Systems
Strahman
Superior
Swagelok Tube Fittings
Syscon
Systematix
TA Instruments, Inc.
Tapecoat Canada
Tate-Andale
Taylor
TBI-Bailey
TBI-Bailey
TBV
TDC-3000
Tech Spray
Techine
Techmation
Technipower
Technova
Technova
Tektronix
Tektronix
Teledyne
Teledyne Analytical
Teledyne-Farris Relief Valves
Telegan
Telematic
Tel-Tru
Tel-Tru
Tel-Tru Thermometers
Tempco
Tenor Industrial Control
Test Probes
Texas Electronics - Raingauges
Texas Sampling
Texas Sampling Inc.
TFL - Torbar Flowmeters Ltd.
The Electron Machine Corporation
The Probe
Theben
Thermal Instrument Co.
Thermax
Thermo Electric
Thermo Electric
Thermo-Kinetics Temperature Products
Thermon
Thermox
TIF
Time Electronics
TN Technologies
Tomoe Valves
Tong Yung Valves
Tower-Gard
Trademark Mfg.
Transcat
Transmation
Transmation, Inc.
Transmation, Inc.
Transtector Systems
TRC
Trend B-Metal Thermometers
Trerice
Tricentric
Tripplett
Tripp-Lite
Tritron
Trueline Valves
TSI
Tuffline Valve
Turbo
TVL
Tytronics Inc.
U.S. Gauge (Ametek)
UE - United Electric
United Electric
United Electric Controls (Canada) Ltd.
United Sciences Inc.
Unitherm
Unitherm
Universal
Universal Analyzers
Universal Flow Monitors
Unomat
Uvicor
V.R.C. Positioners
Vaccon Vacuum Products

Local Sales Representative

Summit Controls Ltd.
Transcat
Cantech Controls
Great Lakes Industrial Controls
Huron Valve & Fittings
Heaters Controls & Sensors Ltd.
Willer Engineering
Westech Industrial Ltd.
Sarnia Piping Specialties
Great Lakes Industrial Controls
Transcat
Elsag Bailey
TubeTech Ltd.
Romatec
Honeywell
Transcat
Transcat
Lakeside Process Control
Transcat
Matheson Valves
Matheson Valves
Omnitronix
Transcat
Transcat
Armatek Controls
Provincial Controls
BEP Bestobell Canada Ltd.
Willer Engineering
Brian Controls
Transcat
Hardie Industrial Services Inc.
Heaters Controls & Sensors Ltd.
Heaters Controls & Sensors Ltd.
Transcat
Campbell Scientific (Canada) Corp.
Great Lakes Industrial Controls
BEP Bestobell Canada Ltd.
Industrial Projects Ltd.
Industrial Projects Ltd.
Milltronics Limited
Davis Controls
R.A. Kirby Sales Inc.
Transcat
Armatek Controls
Transcat
Provincial Controls
SPEC (Sarnia) Limited
Willer Engineering
Transcat
Transcat
Romatec
BEP Bestobell Canada Ltd.
Regional Process Equipment
Lisle-Metrix Ltd.
BSP Instruments
Transcat
Alpha Controls & Instrumentation
Controls
Transcat
Cantech Controls
Transcat
Provincial Controls
Great Lakes Industrial Controls
Westburne Lytle
Transcat
Transcat
Great Lakes Industrial Controls
Line Process Controls
Willer Engineering
Regional Process Equipment
WESCO
U & I Supply
Novatech
Transcat
Brian Controls
Regional Process Equipment
Cambridge Controls
Willer Engineering
Great Lakes Industrial Controls
Intertec
Alpha Controls & Instrumentation
Willer Engineering
Transcat
Transcat
Davis Controls
Matheson Valves
Provincial Controls

Manufacturer / Tradename

Vaisala
Vaisala - RH, Barometric Pressure
Valhalla
Valdyne
Valtek Controls Ltd.
Valve Concepts
Valvetechnologies Inc.
Vector-VID
Veeder-Root
Velan
Versatile Instruments
Viatran
Vista Scientific
Vitec
Vogt Valve
Vortec Coolers
Vortisand
Wabco
Wahl Instruments
Walker Scientific
Wallace & Tiernan Inc.
Wallace & Tiernan Inc.
Warren Jones Engineering - England
Warrick
Waterman Industries - USA
Watson, McDaniel
Watts Industries
Watts Industries
Wavetek
Wedgewood Technology
Weed
Wedgewood Technology
Weidmuller - Conditioners/Power Supplies
Weschler Instruments
West
Westcon
Westech
Westinghouse
Westlock
Westronics
Wey Valve
Whesso Varec
Whipps Inc. - USA
Whitey Valves
Whitman
Wika
Wika
Wika Chemical Seals
Wika Gauges
Wika Instruments Canada
Wika Pressure Transmitters/Transducers
Wilerson Instrument Co. Inc.
Williams Instrument Co.
Winters
Wizom Cobtrols, Inc.
Wodex Power Transducers
Wood
Wood's
Worcester
Worcester Controls
Wright-Austin
WSA
Xomox Tufline
XPL Plus
Xytronic
Yarway
Yokogawa
Yokogawa
Zellweger Analytics
Zirtek Corporation
Zullig

Local Sales Representative

Transcat
Campbell Scientific (Canada) Corp.
Transcat
Cancoppas Limited
Matheson Valves
Zirco Ltd.
Regional Process Equipment
Transcat
Davis Controls
Westburne Lytle
Sharp Valve & Instrumentation
Willer Engineering
Transcat
Transcat
Matheson Valves
Provincial Controls
Great Lakes Industrial Controls
Great Lakes Industrial Controls
BEP Bestobell Canada Ltd.
Transcat
J & M Engineering & Sales Ltd.
Transcat
Lisle-Matrix Ltd.
Davis Controls
Lisle-Matrix Ltd.
BSP Instruments
Flovat Equipment Ltd.
Great Lakes Industrial Controls
Transcat
Zirco Ltd.
Cantech Controls
Westech Industrial Ltd.
CTH Industrial Controls
Transcat
Omnitronix
Transcat
Westech Industrial Ltd.
WESCO
Matheson Valves
Durham Instruments
Great Lakes Industrial Controls
Westech Industrial Ltd.
Lisle-Matrix Ltd.
Huron Valve & Fittings
Davis Controls
Hardie Industrial Services Inc.
Sharp Valve & Instrumentation
Provincial Controls
Provincial Controls
Regional Process Equipment
Provincial Controls
J & M Engineering & Sales Ltd.
Willer Engineering
Flovat Equipment Ltd.
CB Engineering
Line Process Controls
Cantech Controls
U & I Supply
Flovat Equipment Ltd.
U & I Supply
Great Lakes Industrial Controls
Great Lakes Industrial Controls
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Great Lakes Industrial Controls
CB Engineering
Transcat
ProSigma Analytics Inc.
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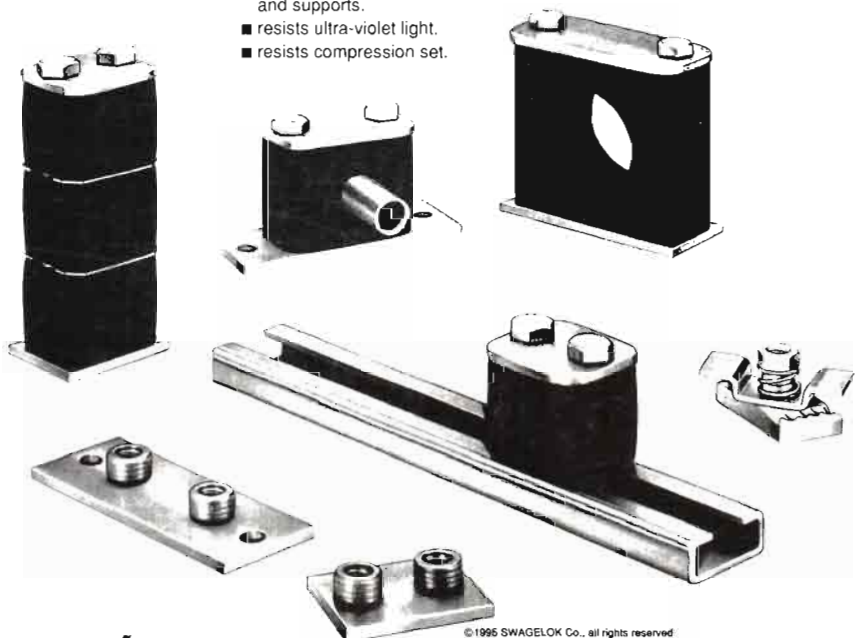


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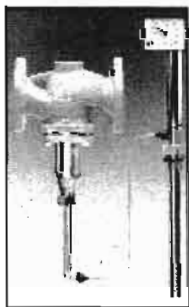


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