

- Embedded Systems and I/O Boards • Metric & Inch Engineered Components
- NEMA 4X Non-Metallic Enclosures • Non-Contact Infrared Temperature Sensors
  - Thermal Imagers & IR Windows • System Platforms and Backplanes
  - AC Power Supplies • Frequency Converters • VPX Power Supplies
- Test and Measurement Products • Scales & Balances

## Manufacturers



### Embedded Systems & I/O Boards

- CompactPCI 3U/6U, PCI full/half-length and VMEbus 3U/6U SBCs
- VME & VPX Single Board Computers
- IndustryPack, PMC, XMC, and VPX FPGA Modules
- PMC and IndustryPack I/O Modules
- COM Express Module and Carrier Cards
- Analog, digital, and multifunction I/O
- Software support for VxWorks, Win32 & Win64 DLL, Linux, & Windows 7



### NEMA 4X Non-Metallic Enclosures

- Sizes range from 7" x 4" x 3" junction boxes to 72" x 49" x 25" double door free standing fiberglass cabinets
- Polycarbonate Enclosures: 6" x 6" x 4" to 12" x 12" x 6"
- Accessories include: back panels, ventilation kits, and pole mount kits
- Custom modifications: holes, cutouts, EMI/RFI shielding, silk screening, & molded-in color
- NEMA Type 1, 2, 3, 3R, 4, 4X, 12, and 13. UL & CSA Listed



### AC Power Supplies, Frequency Converters, & VPX Power Supplies

- AC Power Sources: 400Hz, 50Hz, 60Hz In / Out and Variable, & Extended Frequency range on certain models
- Inverters: DC and AC - 400Hz, 50Hz, 60Hz In / AC 50Hz, 60Hz Out, 120VAC Output
- Ruggedized UPS: True On-Line design, Full-time Power Conditioning, & True Voltage Regulation
- VPX Power Supplies: 12 VDC, 5 VDC, 3.3 VDC+ & -12 VDC Aux Rugged, Military, Wedgelock Cooled, & High Reliability



### Test and Measurement Products

- Wide variety of gages/switches for pressure, temperature, level, air velocity, flow, and humidity
- Handheld instruments include manometers and thermometers
- Temperature/Process controllers
- Digital data loggers and chart recorders
- Intrinsically safe versions of many products are available



### Thermal Imagers

- Complete range of easy-to-use thermal imagers from entry level to high precision
- Designed to withstand up to a 6.5 ft drop
- IR-Fusion Technology allows for infrared and visible light images to be fused together
- Ideal for electrical and mechanical systems, electrical utilities, predictive maintenance, process monitoring, R&D, and building inspections
- Image analysis and reporting software included



### System Platforms and Backplanes

- System Platforms: VME/64x, cPCI/2, VPX, VXS
- Available in 19" rack, desk, and panel mount
- Backplane Technologies: cPCI, VME/64x, VPX, VXS, VXI
- High-speed differential pair routing for Gigabit Ethernet, PCI Express, Infiniband, and Serial I/O



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## Manufacturers



J. W. WINCO,  
INC.

[www.jwwinco.com](http://www.jwwinco.com)

### Metric and Inch Engineered Components

- Products: adjustable levers, casters, control levers, handles, hand wheels, knobs, & more
- Secondary machining, custom std. parts, and special kit packaging/labeling available
- Over 18,000 items in stock (Online ordering available)
- 2D/3D CAD files available
- Free UPS Ground shipping on orders over \$50



OHAUS®

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### Laboratory and Industrial Scales & Balances

- Analytical, precision, moisture analysis, portable, and electronic bench scales & balances
- Scale capacity ranges from 62 g to 270 kg
- Readability ranges from 0.01 mg for analytical balances to .1 g for precision balances
- Options include AutoCal (Automatic Internal Calibration and NTEP approval), RS232 or USB plug-ins, and draft shield doors

 Raytek®

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### Non-Contact Infrared Temperature Sensors

- Fixed mount infrared temperature sensors and scanning systems used where contact would damage or alter the surface
- Series Temperature Ranges: Compact (0 – 3002 F), Marathon (480 – 5430 F), Thermalert (0 – 3630 F)
- Products are used in industrial processes to provide continuous and accurate temperature monitoring