# Condec Pressure Instrumentation

#### www.ricelake.com/condec jwelsh@ricelake.com





#### Newtown, Connecticut



Rice Lake Weighing Systems – Condec Division 3 Simm Lane Door D, Unit 2A Newtown, CT 06470

- Year Opened: 1999
- Square Footage: 9,000
- Number of Employees: 4
- Purpose: Sales & Manufacturing
- Manufactured Products: Calibration
  Instruments & Standards

## **About Condec**

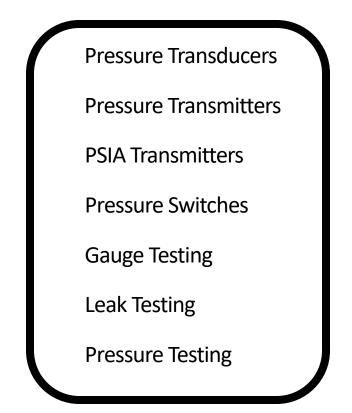
- A leader in precision instrumentation for measurement and control of pressure. Safety and product longevity is our priority.
- Design, manufacture and distribute:
  - Pressure indicators portable & rack-mountable
  - Pressure calibration standards portable & rack-mountable
  - Pressure intensifiers portable & rack-mountable
  - Pressure regulators
  - Needle valves vacuum to 10,000 psi
  - Mechanical pressure controllers
- Rice Lake Weighing Systems acquired the Measurement and Control Group from EATON Corporation in 1999

#### Industries

- Armed Forces
- Utility
- Pharmaceutical
- Oil and Gas
- Manufacturing
- Laboratories
- Medical
- Metrology

## Applications

- Measurement of pressure is expressed as a force per unit area
- Useful in instrumentation that has pressure functionality implemented
- Nitrogen medium, no oils or liquid messes



#### **Product Overview**

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# **Product Line Review**

- Calibration Standards
  - Portable self-contained
  - Tabletop
  - 19 inch wide rack-mountable
- Digital Pressure Indicators
  - Tabletop
  - Hand-held
  - 19 inch wide rack-mountable
- Digital Pressure Gauges







#### **Product Line Review**

- Pressure Source
  - Portable self-contained
- Pressure Intensifiers
  - Portable all-inclusive
  - 19 inch wide rack-mountable
- Pressure Controllers / Micro-Metering Valves
  - Panel-mountable
  - Tabletop (cased)
- Pressure Regulators
  - With and without analog gauges/port fittings





# **Pressure Calibration Standards**

- UPC5000 / UPC5100 / UPC5200
  - Designed for on-site calibration of transmitters, transducers, gauges and other pressure related devices
  - Portable or 19 inch wide rack-mountable models available
  - Multiple full scale ranges from -14 thru 10,000 psi available
  - Accuracy: 0.05% of full scale of each independent selectable range
  - 120 VAC or 220 VAC input power models

# **Pressure Calibration Standards**

- UPC5000 / UPC5100 / UPC5200
  - UPC5000 & UPC5100 models include a self-contained nitrogen cylinder,
    rechargeable battery and all controls, hoses and connections
  - UPC5200 models include an external nitrogen cylinder and all controls, hoses and connections

# **Pressure Calibration Standards**

- UPC5000 / UPC5100 / UPC5200
  - Precision vernier control and adjustable overpressure protection
  - Voltage/current display mode and excitation voltages for transducer testing
  - Available with LED or LCD display
  - Calibration certificate traceable to the National Institute of Standards and Technology (NIST) included



## **Pneumatic Pressure Source**

- Source 3000
  - Self-contained nitrogen cylinder for pressures up to 3,000 psi
  - Analog gauge for monitoring internal cylinder pressure
  - Adapter fittings for charging internal nitrogen cylinder and test ports
  - Two test ports; for DUT and pressure calibration standard
  - Adjustable overpressure protection
  - Precision pressure vernier control
  - Optional hose kits, adapters and carrier
  - Works with all electronic standards/gauges



# **Pneumatic Pressure Intensifier**

- PIN7000/PIN8000
  - PIN7000 source for high pressure applications
  - PIN8000 has a vernier and additional output (test) port
  - Portable or 19 inch wide rack-mountable models available
  - Electronically controlled intensifier system generates up to 10,000 psi
  - Precision Condec REG1000 regulator to adjust input/output pressure





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#### Vacuum Generator/Pressure Controller

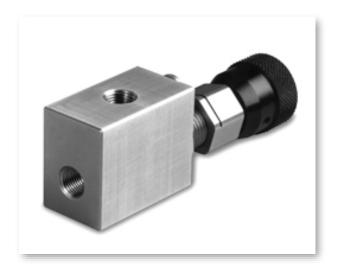
#### • UVC1000

- Use in hazardous and explosive environments
- Portable tabletop or 19 inch wide, rack-mountable models available
- Pressure mode regulates up to 100 psi output
- Vacuum mode up to 29 inches of Hg
- Shop air or nitrogen used as input medium
- All mechanical design
  - No fumes or vibrations
- Low cost alternative to a vacuum pump



# **Micro-metering Valve**

- MPV-10K
  - Provides fingertip adjustment up to 10,000 psi in a variety of gas and fluid applications
  - Fine micro-metering valve with positive shut off
  - Viton, standard o-ring material
  - Adjustable stop, soft seat
  - Valve can be panel or bracket mounted
  - Component within PIN7000



# Precision Pneumatic Cased Controllers

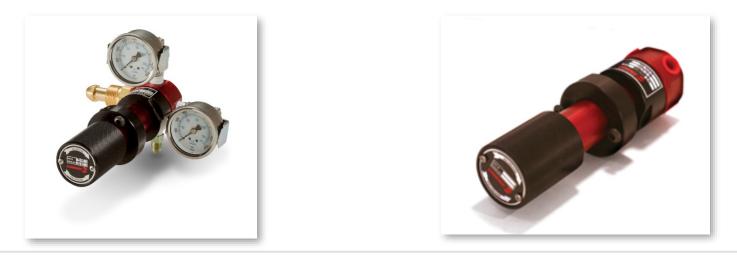
- Orion 2C/Orion 3A
  - Precision patented vernier to precisely dial in selected pressures from vacuum up to 10,000 psi
  - Ports: one input, one vent and two output (test) ports
  - Fingertip closed system pressure adjustment better than 0.0005 psi



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# **Condec Cylinder Regulator**

- Cylinder Regulator Assembly (CYLREG)
  - Allows operator to ensure a properly regulated pressure output from an existing "in house" nitrogen supply cylinder (3,000 psi max.)
  - Integral inlet filter used to promote long life when used in clean systems
  - REGulator series also available 4 models based on output requirements



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# **Digital Pressure Indicator/Standard**

- DLR334/DLR3110
  - Designed for applications ranging from vacuum to 10,000 psi
  - Available in tabletop, panel mount or 19 inch rack-mounted DLR3110
  - 0.05%, 0.1%, 0.25% of indicated value from 20% of full scale accuracies
  - 20 selectable engineering units
  - Min/Max, peak hold and freeze mode





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### Digital Pressure Indicator/Pressure Standard

- UPS3000/UPS3110/UPS3210
  - Features
    - Push-button zero
    - Selectable absolute or gauge calibration modes
    - Multi-conversion units







# **Product Brand Services Available**

- Recalibrations all units must be bench tested prior
- Extensive repair capability on all Condec products
- Bench Test initial fee charged only if Recalibration/Service not completed
- Service quotes approved by customer prior to completion
- 4-day turnaround must be pre-approved
- NIST (National Institute of Standards and Technology) traceable Certificate of Calibration supplied with all equipment calibrated
- Dated calibration stickers on all equipment calibrated
- As-found and as-left data with or without uncertainty info
- General cleaning of the instrument

#### **To Place an Order**

**Telephone Orders:** 888-295-8475 **24-hour Fax Orders:** 715-234-6967

#### Please address Purchase Orders or Sales Inquiries to: Rice Lake Weighing Systems Condec Products P.O. Box 272

Rice Lake, WI 54868

#### **Technical Assistance**

**Telephone:** 888-295-8475 **24-hour Fax:** 715-234-6967

Please send Repairs and/or Calibrations to: Condec Door D, Unit 2A 3 Simm Lane Newtown, CT 06470

