

Condec Pressure Instrumentation

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Newtown, Connecticut



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

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

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

Pressure Transducers

Pressure Transmitters

PSIA Transmitters

Pressure Switches

Gauge Testing

Leak Testing

Pressure Testing

Product Overview

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



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



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



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



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

The logo for Rice Lake Weighing Systems features a thick red horizontal bar above the text "RICE LAKE" in a bold, black, sans-serif font. Below "RICE LAKE" is the text "WEIGHING SYSTEMS" in a smaller, black, all-caps, sans-serif font.

RICE LAKE[®]
WEIGHING SYSTEMS

The Condec logo consists of the word "CONDEC" in a bold, italicized, red, sans-serif font. To the right of the text is a red circular icon with horizontal lines. Below the "CONDEC" text is the tagline "Genuine Quality, Proven Performance" in a smaller, black, sans-serif font. At the bottom of the logo area is the text "A DIVISION OF RICE LAKE WEIGHING SYSTEMS" in a very small, black, all-caps, sans-serif font.

CONDEC
Genuine Quality, Proven Performance
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