

## **FOR IMMEDIATE RELEASE**

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## **MARTEL BUCKS RECESSION AND RAMPS UP PRODUCTION FOR SAME DAY ORDER SHIPPING**

(Derry, NH; January 28, 2009) Martel Electronics announced today that it would buck the recession and ramp up its production of precision process calibrators. Martel will target their most popular models, such as the high precision BetaGauge Family including pressure, temperature, and electrical signal calibrators. Their intent is to fill stock with these products, thereby enabling same day shipment on orders. As Tom Fatur, President of Martel put it, "... we want to make sure our customers and those of our distributors can protect their own production. By shipping our products the same day as the order is received, we can do our part to keep everyone as productive and cost-efficient as possible."

Unlike many companies in the process calibrator industry who are laying people off and pulling back inventory, Martel has positioned themselves to do the opposite. Martel has always been known for short lead times, quality products, and customer service that helps to leave every customer satisfied. As the economy slowly makes its way back, they would like to make it as easy as possible for customers to get great process calibrators, at competitive prices, and right when they want them!

Martel has been known and acknowledged for years as a company where no product tweak or order is too small when it comes to their customers. They welcome the opportunity to help solve customer requests. As Tom Fatur continued, "We are in this together and as our competitors hide from the economy remember that Martel Electronics has units ready to go and will be expanding stock to fill requests quickly!"

*Martel Electronics Corporation offers a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications.*



## For Immediate Release

March 10, 2008, Londonderry, NH.

Martel Electronics Corporation announces the addition of new ranges and capabilities for the popular BetaGauge PI Digital Test Gauge and BetaGauge PIR Reference Class Digital Test Gauge.

For the BetaGauge PI Digital Test Gauge, Martel has added four (4) new ranges for measuring absolute pressure. The absolute pressure ranges available for the BetaGauge PI are 15 PSIA (1 Bar), 30 PSIA (2 Bar), 100 PSIA (7 Bar) and 300 PSIA (20 Bar). All these ranges have an accuracy rating of  $\pm 0.05\%$  of full scale. All of the important features and performance capabilities of the gauge ranges are also included. All four (4) ranges have 316 Stainless Steel wetted parts for excellent media compatibility.

Martel has also added two (2) new ranges to the Reference Class version of the BetaGauge PIR Digital Test Gauge. The new ranges are 5000 PSI (350 Bar) and 10000 PSI (700 Bar). The 5000 PSI range offers accuracy of  $\pm 0.04\%$  of reading + 0.01% of full scale. The 10000 PSI range offers accuracy of  $\pm 0.1\%$  of reading + 0.01% of full scale. Both new ranges also feature 316 Stainless Steel wetted parts.

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Martel Electronics Corporation



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Derry, New Hampshire USA, 9 October, 2008

### **BetaGauge 330 Hand Held Pressure Calibrator with Integral Electric Pressure Pump**

At the ISA Expo 2008 in Houston, Texas, Martel Electronics will introduce a revolution in pressure calibration technology for the process industries.

Tom Fatur, President of Martel says, "The new BetaGauge 330 has been engineered to put an end to the drudgery of using hand operated pumps for pressure calibration.

"With the new BetaGauge® 330, technicians will have a small, lightweight hand held calibrator that generates pressures up to 150 PSIG (10 Bar/100 kPa) using a high performance integral electric pump.

"Before the BetaGauge 330, users had to manually generate pressures with tedious and hard to use manual pumps or use large, heavy and unwieldy boxes with limited portability and limited battery life. That time has come to an end."

The BetaGauge 330 (patent pending) has a form factor only slightly larger than Martel's popular BetaGauge 321 and weighs in at a mere 2.5 pounds (1.1 kg). The housing is contoured to easily fit a technician's hand with good balance top to bottom.

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## For Immediate Release

September 12, 2007, Londonderry, NH.

Martel Electronics Corporation released a significant set of enhancements for the operation of its DMC-1400 Documenting Multi-function Calibrator. With the new features, the user now has more control over the testing procedures for field instrumentation.

The enhancement includes changes to the calibrator's firmware and a substantially revised Martel USV software utility. The new utility can recover instrument header information from previous tests so the user can download existing tags to the calibrator.

Header information includes the tag ID, instrument input and output ranges and test points. With this information, the user is required to enter much less data during the field test. It also ensures uniformity of testing procedures.

The new USV software also supports the creation of new tags in the computer that can be downloaded to the calibrator for the field test. This, too, provides more control over test procedures.

The DMC-1400 system continues to support user set up of tags in the field for testing and printing of calibration reports on the fly.

As a calibrator, the DMC-1400 offers a feature and performance set unmatched in its price range. The rugged compact design is user friendly, lightweight and offers the ability to calibrate virtually all standard field instrumentation for pressure, temperature, level and flow.

With data storage for 21 AS FOUND and 21 AS LEFT test points for each of 50 instruments and built-in testing of pass/fail criteria, the DMC-1400 provides everything needed for field instrument maintenance.

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## New *Reference Class* Digital Pressure Test Gauges Provide Exceptional Performance and Ease of Use

**Londonderry, NH; April 30, 2007** –Martel Electronics Corporation introduces the new BetaGauge PIR, Reference Class Digital Pressure Test Gauges. As with the original high accuracy BetaGauge PI gauges, the BetaGauge PIR takes the concept of a simple analog Test Gauge and combines it with the accuracy of digital technology. The new Reference Class gauges provide exceptional performance with  $\pm 0.04\%$  of reading accuracy.

The Reference Class BetaGauge PIR digital test gauges are available six ranges — 30 psi Compound, 30 psig, 100 psig, 500 psig, 1,000 psig, and 3,000 psig. Setup of the BetaGauge PIR is fast and straightforward, through a menu-driven display, with minimal text and intuitive functions, that is simple enough to allow the gauge to be used anywhere in the world without the need for multilingual displays. Pressure readings are displayed in any one of 18 standard engineering units, or in user-defined custom units, eliminating tedious conversion calculations. Readings are displayed on a 5-1/2 digit, 0.65” high digital display and companion percent-of-range bar graph. Accuracy is temperature-compensated over a 0 to +50 °C range. The internal temperature sensor measurement can be displayed in degrees Celsius or Fahrenheit.

The BetaGauge PIR provides an unmatched feature set, offering the user many options for ease-of-use. The reading sample rate can be adjusted to match the type of measurement, such as for pressure switch threshold points, instrument-grade readings, filtered readings, and a power-saving 1 reading per 2 seconds “sleep” mode. A MIN/MAX function instantly recalls pressure reading extremes. In addition to a Zero function, large residual system pressures can be nulled using the TARE adjustment. When combined with custom engineering units, the TARE adjustment allows the BetaGauge PIR to be used in a variety of liquid level and volume measurements, easily reading units of interest directly, such as gallons in a tank. Password-protected field calibration may be initiated through the keypad. An auto shutoff feature may be enabled for a preset interval to extend battery life. Damping can be set to integrate readings to accommodate pulsating sources, such as plant air. An RS232 port allows pressure reading data to be extracted directly from the gauge for off-line analysis. A protective rubber boot is provided as standard to help protect the gauge from damage if dropped.

A number of options are available for the BetaGauge PIR Digital Pressure Gauge making the gauge suitable in virtually any application. An optional 24 VDC external power input is available for applications where the gauge will be permanently incorporated into a process line. A self-contained calibration kit is available which includes a BetaGauge PIR, hand pressure pump, and associated fittings.

*Martel Electronics Corporation and the Beta Calibrators Division offer a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications.*



## FOR IMMEDIATE RELEASE

### Millennium Series 3001 Precision Laboratory Calibrator

**Londonderry, NH, USA, June 4, 2007** - Martel Electronics Corporation announces the availability of the Millennium Series 3001 Precision Laboratory Calibrator, the newest and most advanced of its family of laboratory grade multi-function calibrators.

The Martel 3001 precision calibrator combines the power and features of the M2001 (voltage, current, thermocouple, RTD and pressure) with a second completely isolated measurement channel for a single laboratory calibration instrument unmatched in versatility, performance and value.

The 3001's extensive feature set is accessed through a simple-to-use and intuitive user interface with pushbutton selection of functions and two (2) clear brightly backlit displays.

The most important feature of the 3001, however, is the accuracy. For a laboratory instrument, accuracy is paramount, and the 3001 has it. DC accuracy is rated at  $\pm 0.0025\%$  of *reading*. This great DC accuracy specification translates into similar performance for measuring and simulating temperature with thermocouples and RTDs.

The 3001 also includes a second isolated measurement channel to provide the complete loop for process instrument and transmitter calibration. The isolated measurement channel has two (2) voltage ranges (10 VDC and 100 VDC); milliAmp measurement to 52 mADC; available 24 VDC loop power; a user switched 250 Ohm in loop HART™ resistor and an accuracy of  $\pm 0.005\%$  of reading on voltage ranges.

In voltage mode, the 3001 offers four (4) output ranges of 100 mV, 1 V, 10 V and 100 V DC. All voltage outputs settle to full specification in less than 200 milliseconds allowing use of the 3001 in automated calibration and testing systems.

As a high performance temperature calibrator, the 3001 has no equal in its price range. In fact it offers performance normally found only in calibrators costing 3 or more times as much. Typical RTD measurement accuracy is  $\pm 0.02^\circ\text{C}$ , and simulation accuracy is an extremely stable  $\pm 0.05^\circ\text{C}$ . Resolution is another strong point at  $0.001^\circ\text{C}$  for 100 Ohm Platinum RTDs.

The 3001 can read or source any of 11 thermocouple types and millivolts, and 9 RTD types as well as YSI 400 thermistors and , of course, Ohms.

As a pressure instrument, the 3001 is versatile. The pressure interface is compatible with Martel's BetaPort-P digital pressure modules, which are available in 29 ranges and types

from 10"WC to 10,000 PSI full scale. The 3001 is also compatible with pressure modules from Mensor and Fluke.

The 3001 includes both RS-232 and IEEE-488 serial interfaces for remote control applications using Martel's fully documented ASCII protocol. The 3001 is also fully compatible with Fluke Met-Cal® metrology software.

Some of the other important and useful features include 5-way copper alloy binding posts, nine (9) user defined setpoints for each output mode and curve, 25 Ohm and 100 Ohm SPRT custom curves, separate bright backlit displays for I/O modes and the isolated measurement channel (each display is a large 16 character by 2 line LCD display) and standard 19" rack mounting ability.

*Martel Electronics Corporation offers a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications.*

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### **FOOD-GRADE SHRINK WRAPPING SYSTEM ADAPTS TO APPLICATION CHANGE WITH TRUE BUILDING-BLOCK MODULARITY**

**Merrimack, NH; October 27, 2006** — **George Gordon Associates** announces a new food-grade, shrink-wrapping system, the AccuWrap™ FG-2000S. The AccuWrap™ FG-2000S is a multi-axis, servo-controlled, food-grade wrapper with wash-down capability, which can be configured with a static lap seal, thermal lap seal, or fin seal for standard polyethylene shrink film. The FG-2000S is available in both standard or inverted configurations. The true Building-Block modularity of the AccuWrap provides built-in versatility for your current change over, and for your future dynamic business requirements, with the same base machine.

The AccuWrap FG-2000S is designed to provide competitive packaging with high speed, high efficiency, and easy maintenance. The stainless steel construction is designed to the “no particle trapping” criteria, and features a rugged, open frame that allows food particles to fall through. Wash down for all conveyors and wet wipe down of sealing sections is accommodated. The highly modular, building block construction allows removal of all modules providing the maximum in accessibility, enabling an even more thorough spill clean up or for expedient changeover — rails lift up; conveyor belts snap out; conveyors slide out; and the former is no-tools fast change. This modular flexibility also provides built-in versatility for future business requirements.

The electronics feature independently adjustable servo control of longitudinal film travel for the flat seal, main end sealing with rotary hot knife, conveyors and unwind, which provides exacting control for the packaging production at up to 300 cycles per minute. With the standard Allen Bradley ControlLogix® servo system, the system offers all the features for high production throughput as the communication friendly controller provides complete line supervision. A full-color touch screen provides easy operator interface, with on-screen and remote diagnostics to reduce downtime. Up to one hundred recipes can be stored for instant retrieval, making product changeover simple, accurate and efficient. Films up to 36” wide are accommodated to handle a wide range of products.

The fast, efficient packaging system integrates the GGA precision heat shrink tunnel for high throughput with low ownership cost. The design provides temperature control for shrinkage at a high rate of speed with a variable speed, mesh belt conveyor. The heavy-duty stainless steel construction has insulated walls for low energy consumption. The product travels through the tunnel on the mesh style out-feed belt. Air temperature is precision-controlled with the main wrapper controller as part of the recipe selected by the operator on the touch screen panel. Adjustable airflow affords just the right amount of air movement through the tunnel; a set of precision baffles control how the air moves over the package to give a tight, high quality wrap for the product, without over-shrinking and burnouts.

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George Gordon Associates is a full service packaging machinery manufacturer specializing in a wide range of flow wrappers and providing innovative packaging solutions to wrap your products your way. We have innovative wrapper designs and expertise for applications in food, food service, bakery, candy, cosmetics, and many other packaging industries. Packaging lines from GGA enhance their customers changing business



requirements with Building-Block Modularity, No-Particle-Trapping and design simplicity. Equipment includes standard flow wrappers, inverted flow wrappers, the RightMove(tm) positioning conveyor and placing equipment to provide a total innovative solution. Our high standards of equipment design and customer service help to achieve customer goals of increased efficiency and higher profits. Today, a strong force in the packaging industry, GGA focuses on wrapping and the particular needs of their customers with a personal touch.

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### **SYNCHRONIZED POSITIONING CONVEYOR SYSTEM REPOSITIONS RANDOMLY SPACED PRODUCT FOR PEAK PACKAGING EFFICIENCY AND SPEED**

**Merrimack, NH; October 27, 2006** — **George Gordon Associates** announces the RightMove™ synchronized positioning conveyer. The GGA RightMove™ synchronized positioning conveyer repositions randomly spaced products and delivers them into the flight spacing of the wrapper conveyer, at high speed and with friction free, no scuff handling, effectively positioning the product. Proper Product Positioning is the First Key to a smooth packaging operation for peak efficiency and speed. Because the RightMove technology is both mechanically and electrically integrated by design into the AccuWrap™ wrapper system, product shipments go up, waste goes away, and profits soar.

The modular multi-section RightMove accommodates various requirements of weight and size to perfect the system for any given application. A simple three-belt system adequately moves a row of randomly spaced chocolate bars into position to match the flight of the wrapper flight. A five belt system moves pizzas with toppings into position with smooth incremental ease that does not spill. Each belt system precisely controls speed to perform the designated task.

The first RightMove belt section provides Stream Control of the product feeding into the system, acting as an accumulation for constant feed into the other positioning belts. The section will absorb some level of overfeed, hold back product, and release in time for the positioning process by the next belt section.

From one to three Gap Adjustment belts then provide precise, gentle control of the product without product slide. Limiting the amount of correction in each stage keeps the speed within the acceptable range to control the product. Product handling by progressive step adjustment of the gap is necessary for movement of the product.

The Fine Finish belt receives the product and makes just the right move to maintain and deliver the product in perfect time to the flight of the wrapper. Coupled with the George Gordon AccuWrap™ wrapping system, you will own the most efficient food friendly packaging line available today.

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George Gordon Associates is a full service packaging machinery manufacturer specializing in a wide range of flow wrappers and providing innovative packaging solutions to wrap your products your way. We have innovative wrapper designs and expertise for applications in food, food service, bakery, candy, cosmetics, and many other packaging industries. Packaging lines from GGA enhance their customers changing business requirements with Building-Block Modularity, No-Particle-Trapping and design simplicity. Equipment includes standard flow wrappers, inverted flow wrappers, the RightMove(tm) positioning conveyor and placing equipment to provide a total innovative solution. Our high standards of equipment design and customer service help to achieve customer goals of increased efficiency and higher profits. Today, a strong force in the packaging industry, GGA focuses on wrapping and the particular needs of their customers with a personal touch.

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Performance doesn't stop with the pump. The BetaGauge 330 provides  $\pm 0.025\%$  of full scale accuracy on its internal, isolated pressure sensor. Wide range temperature compensation on its internal sensor ensures accuracy in field applications. An external pressure module connection supports 29 ranges of BetaPort-P pressure modules for greater measurement capability.

A Pt100 RTD input is provided for temperature measurements accurate to  $\pm 0.1$  °C (0.2 °F). This facilitates the use of the 330 for the calibration of mass flow computers.

In addition, the BetaGauge 330 measures and simulates 4-20 mA loop current signals. It can measure up to 30 VDC. An internal 24 VDC Instrument Power Supply supplies power to a transmitter under test.

Like its BetaGauge calibrator siblings, the 330 displays up to 3 calibration values at one time from the choice of internal pressure sensor, external pressure sensor, temperature from the optional RTD probe or electrical (mA or VDC). The display is a 128 x 64 pixel back lit LCD that's easy to read in any lighting condition.

The new BetaGauge 330 Pressure Calibrator provides a number of convenience features. Switch tests can be performed using internal or external sensor input. Percent (%) error and damping functions are provided. Up to five frequently used setups can be stored and retrieved with one button recall.

Pressure signals can be displayed in the user's choice of 19 engineering units to fit the specific requirements of the job.

The compact, rugged design operates on eight (8) standard AA Alkaline batteries. Due to the power saving designs incorporated in the BetaGauge 330, it can perform 300 calibration cycles to 150 PSI on one set of batteries.

The 330 comes in 3 ranges of 30 PSI (2 Bar/20 kPa), 150 PSI (10 Bar/100 kPa) and 300 PSI (20 Bar/200 kPa). The 300 PSI version uses a manually operated handpump. All ranges are capable of generating and reading vacuum as well as pressure.

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Like all Martel calibrators, the BetaGauge 330 comes from the factory ready to go to work. Batteries ARE included along with NIST traceable calibration certificate, test leads, test hose, carrying case and user manual. The BetaGauge 330 is also available in various kit forms with RTD probe and adapter fittings and hoses.

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## For Immediate Release

June 18, 2007, Londonderry, NH.

Martel Electronics Corporation has completed its acquisition of privately held Murch Associates. Murch has been a major supplier to Martel for mechanical parts and for the manufacturing and assembly of pneumatic and hydraulic test pumps including the MECP100, MECP500 and MECP10K.

This acquisition will allow Martel to expand its offering of test pumps used in process instrumentation calibration to a wider range of end users and major calibrator OEMs.

The machining and manufacturing operations will continue to operate in their current facility in Derry, New Hampshire.

At the time of the acquisition, Mr. Tom Fatur, President of Martel Electronics Corporation also announced that the company had signed an agreement with Astoria Properties LLC for the design and construction of a new purpose-built office and manufacturing facility.

Martel's new facility will allow it to continue its record of 20 years of continuous growth and also to incorporate the operation of the newly acquired business in the same facility.

Mr. Fatur stated that the facility will provide nearly double the space of the company's current building and include special features to facilitate the company's lean manufacturing style of operation.

The new factory will be located in Derry, New Hampshire near the planned exit 4A of the I-93 expressway. It is expected to be ready in the late winter of 2008.

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The 3001's extensive feature set is accessed through a simple-to-use and intuitive user interface with pushbutton selection of functions and two (2) clear brightly backlit displays.

The most important feature of the 3001, however, is the accuracy. For a laboratory instrument, accuracy is paramount, and the 3001 has it. DC accuracy is rated at  $\pm 0.0025\%$  of *reading*. This great DC accuracy specification translates into similar performance for measuring and simulating temperature with thermocouples and RTDs.

The 3001 also includes a second isolated measurement channel to provide the complete loop for process instrument and transmitter calibration. The isolated measurement channel has two (2) voltage ranges (10 VDC and 100 VDC); milliAmp measurement to 52 mADC; available 24 VDC loop power; a user switched 250 Ohm in loop HART™ resistor and an accuracy of  $\pm 0.005\%$  of reading on voltage ranges.

In voltage mode, the 3001 offers four (4) output ranges of 100 mV, 1 V, 10 V and 100 V DC. All voltage outputs settle to full specification in less than 200 milliseconds allowing use of the 3001 in automated calibration and testing systems.

As a high performance temperature calibrator, the 3001 has no equal in its price range. In fact it offers performance normally found only in calibrators costing 3 or more times as much. Typical RTD measurement accuracy is  $\pm 0.02^\circ\text{C}$ , and simulation accuracy is an extremely stable  $\pm 0.05^\circ\text{C}$ . Resolution is another strong point at  $0.001^\circ\text{C}$  for 100 Ohm Platinum RTDs.

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Some of the other important and useful features include 5-way copper alloy binding posts, nine (9) user defined setpoints for each output mode and curve, 25 Ohm and 100 Ohm SPRT custom curves, separate bright backlit displays for I/O modes and the isolated measurement channel (each display is a large 16 character by 2 line LCD display) and standard 19" rack mounting ability.

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## New *Reference Class* Digital Pressure Test Gauges Provide Exceptional Performance and Ease of Use

**Londonderry, NH; April 30, 2007** –Martel Electronics Corporation introduces the new BetaGauge PIR, Reference Class Digital Pressure Test Gauges. As with the original high accuracy BetaGauge PI gauges, the BetaGauge PIR takes the concept of a simple analog Test Gauge and combines it with the accuracy of digital technology. The new Reference Class gauges provide exceptional performance with  $\pm 0.04\%$  of reading accuracy.

The Reference Class BetaGauge PIR digital test gauges are available six ranges — 30 psi Compound, 30 psig, 100 psig, 500 psig, 1,000 psig, and 3,000 psig. Setup of the BetaGauge PIR is fast and straightforward, through a menu-driven display, with minimal text and intuitive functions, that is simple enough to allow the gauge to be used anywhere in the world without the need for multilingual displays. Pressure readings are displayed in any one of 18 standard engineering units, or in user-defined custom units, eliminating tedious conversion calculations. Readings are displayed on a 5-1/2 digit, 0.65” high digital display and companion percent-of-range bar graph. Accuracy is temperature-compensated over a 0 to +50 °C range. The internal temperature sensor measurement can be displayed in degrees Celsius or Fahrenheit.

The BetaGauge PIR provides an unmatched feature set, offering the user many options for ease-of-use. The reading sample rate can be adjusted to match the type of measurement, such as for pressure switch threshold points, instrument-grade readings, filtered readings, and a power-saving 1 reading per 2 seconds “sleep” mode. A MIN/MAX function instantly recalls pressure reading extremes. In addition to a Zero function, large residual system pressures can be nulled using the TARE adjustment. When combined with custom engineering units, the TARE adjustment allows the BetaGauge PIR to be used in a variety of liquid level and volume measurements, easily reading units of interest directly, such as gallons in a tank. Password-protected field calibration may be initiated through the keypad. An auto shutoff feature may be enabled for a preset interval to extend battery life. Damping can be set to integrate readings to accommodate pulsating sources, such as plant air. An RS232 port allows pressure reading data to be extracted directly from the gauge for off-line analysis. A protective rubber boot is provided as standard to help protect the gauge from damage if dropped.

A number of options are available for the BetaGauge PIR Digital Pressure Gauge making the gauge suitable in virtually any application. An optional 24 VDC external power input is available for applications where the gauge will be permanently incorporated into a process line. A self-contained calibration kit is available which includes a BetaGauge PIR, hand pressure pump, and associated fittings.

*Martel Electronics Corporation and the Beta Calibrators Division offer a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications.*

# FOR IMMEDIATE RELEASE

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## Video Tutorial Package Brings New Users Up-to-Speed Quickly on Martel DMC-1400 Documenting Multi-Function Calibrator

**Londonderry, NH; March 15, 2007** –Martel Electronics announces a video tutorial package for its flagship DMC-1400 Documenting Multi-Function Calibrator, dubbed *The Documenting Calibrator for the Rest of Us*.

The Video Tutorial provides an overview of all of the key features and operating modes of the DMC-1400 Documenting Calibrator, making it even easier to learn the already simple-to-use, yet powerful instrument. Several examples are providing showing how simply test procedures can be set up, equipment calibrated, and results documented using only a few keystrokes and the interactive menu-driven Calibrator. Additional sections in the Tutorial describe the ease with which calibration data can be downloading to, organized and analyzed on a PC, using a Microsoft® Excel® spreadsheet, or optionally, more specialized, dedicated calibration database software.

The video tutorial is provided in two formats:

- as a standard DVD Video disc, playable on Windows® and Apple Macintosh® computers with suitable DVD-player software, or any set-top DVD player; and
- as an interactive Microsoft® PowerPoint® presentation on CDROM, playable on any Windows®-compatible PC (minimum system required is 1.0 GHz processor, 512 MB RAM, running Microsoft® Windows XP®)

The CDROM also contains the Martel USV (Upload-Save-View) Utility software program, the Martel Mimic program for viewing the calibrator screen on your PC, and PDF files of the DMC-1400 Data Sheet and User Manual. (The USV and Mimic programs are PC-compatible only.)

The DMC-1400 Documenting Calibrator Video Tutorial is available to anyone wishing to preview the powerful features and simple functionality of the calibrator.

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## DMC-1400 Documenting Multi-Function Calibrator

**Londonderry, NH; October 17, 2006** – Martel introduces the documenting calibrator for the rest of us, the Martel-BETA DMC-1400. Providing a feature set unmatched in its price range, the DMC-1400 provides the functions and accuracy associated with fixed installation, laboratory instruments, and has everything needed for virtually any calibration task. The ability to fully document any calibration easily while performing the normal job, without requiring any special software, makes this versatile calibrator best in class. Any software needed is already installed on most users' PCs. (Some functions will require a Microsoft® Excel®-compatible spreadsheet.)

Any instrument can be set up and calibrated as would normally be done. After each calibration point, the "SAVE" key is pressed to store the calibration data. When the calibration is completed, the user simply follows the prompts to enter the "tag" information, and the documented calibration is complete. The DMC-1400 also features the ability to test for pass/fail criteria, capture both AS FOUND and AS LEFT data, maintain calibration data for 50 instruments in nonvolatile memory, and even print calibration certificates right in the field, with no PC needed, using the optional OTS-100 portable certificate printer.

The DMC-1400 will measure and simulate thermocouples, RTDs, current, voltage, frequency and pressure, and source pulse trains. A communications port compatible with Martel-BETA BetaPort-P pressure modules is provided, as is an isolated milliamp/Volt read-back circuit. Arrow keys, direct numeric keypad entry, and three software-driven function buttons, plus a large backlit, menu-driven graphics display combine to provide a highly intuitive, simple yet powerful operator interface.

Additional features include a built-in 250 Ohm resistor for HART™ compatibility with smart transmitters and PLCs, full fuseless protection, and a serial communications port for full control with ASCII commands. The DMC-1400 is supplied with a rugged protective boot, four standard alkaline AA batteries, padded carrying case, test leads, communications cable, USB adapter, user manual, quick start guide, DVD and CD based video training and an NIST traceable calibration certificate. Optional accessories include the BPPA-100 adapter for BetaPort-P pressure modules as well as the full range of pressure modules. A rechargeable battery kit is available for users who prefer recharging over standard alkaline batteries. Finally, the OTS-100 battery operated portable printer is available for printing calibration certificates in the field.

*Martel Electronics Corporation offers a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications.*



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*Martel Electronics Corporation offers a diversified line of hand-held and bench calibrators, process instruments, process indicators, power supplies, meters and displays, and test and measurement instruments manufactured to the highest quality standards for the process industry and OEM applications see also at [www.martelcalibrators.com](http://www.martelcalibrators.com).*