

TAT-5000 Series Professional Models

New Independent Studies Show Exergen Reduces Hospital Costs by 90% Compared to Other Thermometers



Invented, designed, assembled, tested, and packaged in the U.S.A. by Exergen

- More than 80 published studies supporting accuracy from preemies to geriatrics, in all areas of care.
- Rugged, reliable construction, protected by Lifetime Warranty.
- TAT-5000S Connected Models available on leading Vital Signs Monitors for EHR data integration.

Changing the Way the World Takes Temperature

Exergen TAT-5000S Connected Models are now available on leading Vital Signs Monitors for EHR Data Integration



Philips SureSigns VS4



Mindray Accutor 7 Vital Signs Monitor



Spacelabs Qube®, Xprezzon®, Qube® Mini



Schiller Diagnostic Station



GE Healthcare VC150, V100, Corometrics



ZOE 740Select



Nihon Kohden SVM-7200

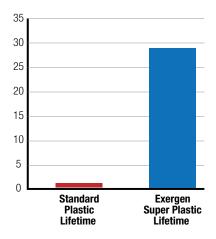


Capsule SmartLinx Vitals Plus

Exergen Super Plastic Wins the Battle of Cracked **Cases Caused by Chemical** Disinfectants

Exergen has developed a new proprietary engineered plastic material for housings which resists the harshest chemical cleaners in use in hospitals at least 29 times longer than current materials.

After two years of research and testing, Exergen has succeeded in its objective of eliminating case cracking caused by harsh chemical disinfectants commonly used in hospitals. The proprietary Exergen Super Plastic cases are now used in all Exergen TemporalScanner TAT-5000 Series professional models.





Nearly 30 Times More Resistant to the Harshest

Chemicals



Convenience and Security Options



Wallmount 134201 (TAT-5000 not included)



Quick Release Security System: 124277 (Core) 124278 (Oral Equiv) Includes TAT-5000, Wallmount 134201. Latex-free coiled cable



Quick Release Security System: 124286 (Core) 124287 (Oral Equiv) Includes TAT-5000, Wallmount 134201, 8' Latex free nylon covered steel cable



Quick Release Security System: 124292 (Core) 124293 (Oral Equiv) Includes TAT-5000, Wallmount 134306, Latex free coiled cable



Dual Security System 5 or 20 Temps before Lockout 5: 124280 (Core) - 124281 (Oral Equiv) 20: 124392 (Core) - 124393 (Oral Equiv) Includes: TAT-5000, Requires Keyless Locking Wallmount 134307



Quick Release Security System: 124288 (Core) 124289 (Oral Equiv) Includes TAT-5000, Wallmount 134305, Latex free coiled cable



Quick Release Security System: 124290 (Core) 124291 (Oral Equiv) Includes TAT-5000, Wallmount 134305, 8' Latex free nylon covered steel cable



Dual Security System 5 or 20 Temps before Lockout 5: 124280 (Core) - 124281 (Oral Equiv) 20: 124392 (Core) - 124393 (Oral Equiv) Includes: TAT-5000, Requires Keyless Locking Wallmount 134308



Quick Release Security System: 124294 (Core) 124295 (Oral Equiv) Includes TAT-5000, Wallmount 134306, 8' Latex free nylon



8' Security Cable Part #124311 - Latex Free Coiled Cable



Nylon Covered Steel Cable Latex Free 6' Cable - Part #134302 8' Cable - Part #134030

- Quick Release System: A discrete method for easily removal and reattachment of the cable when required.
- Dual Security System: A system requiring return of the instrument to the holder after 5 or 20 temperature measurements.
- Suggestions for Selection:
 - If instruments are to be secured at the nurses' station, consider the keyless locking wallmount or Dual Security System.
 - If instruments are to be mounted one per bed, or in a dedicated area (e.g. triage), consider Quick Release System.
 - If instruments are to be attached to an existing rolling stand, or a vital signs monitor, consider the 6' vinyl covered steel cable 134302.



Infection Control Considerations

Methods of Cross-Contamination Protection: Unlike most other thermometers, the Exergen TemporalScanner does not come into contact with mucous membranes, and as such, the following options are available against the risk of cross-contamination when using the instrument between patients.

Alcohol Swabs: The vast majority of hospitals have approved wiping the probehead between patients with an alcohol swab or other disinfectant wipe, the typical method of choice for disinfecting the stethoscope diaphragm between patients, and the most cost effective method. 70% isopropyl alcohol is recommended.

Resposable/Disposable Covers:

Resposable/Disposable covers, meaning they can be used once and discarded, or reused on the same patient, are available for all levels of cross-contamination protection should they be preferred for certain patient populations, and are still very cost effective. These options include resposable caps and full instrument sheaths, the sheaths being mainly used for isolation patients.

Routine Maintenance:

With normal use, the only maintenance required is to keep the lens in the center of the probe clean. Periodic lens cleaning is a must. Dirt, greasy films or moisture on the lens will interfere with the passage of infrared heat and affect the accuracy of the instrument. Only alcohol should be used on the lens, and this warning is prominently affixed to the front of each instrument as shown on the right.

- Clean the lens with a cotton tipped stick applicator (Q-Tip, Cotton Bud, etc.)moistened in alcohol or with an alcohol swab.
- Twisting an alcohol swab to clean the lens is not recommended, a stick applicator must be used to reach and clean the little lens deep in the center of the probe head.
- Cleaning the little lens every two weeks (biweekly) is recommended.

Use of Aggressive Chemical Disinfectants for Decontamination:

Strong bleach-based and ammonium-based products have become very common due to heightened concerns regarding the risk of nosocomial infections, but these aggressive disinfectants can damage most plastics. Fortunately Exergen has developed and uses a proprietary "Super Plastic" that resists cracking by the harshest chemicals in use in hospitals.

Alcohol only applies to the IR sensor lens, as the bleach and ammonium based products may leave a residue on the sensor lens which would interfere with the accuracy of the measurement.

Further Information or Questions:

Please visit our Clinical Education Website at www.TAthermometry.org, or our Main Website at www.exergen.com, or contact service@exergen.com.

Using the Resposable/ Disposable Caps:



- 1. Apply cap by pushing onto the probehead with fingers.
- 2. Remove cap by pushing edge forward with thumb.
- 3. Caps may be reused on the same patient.

Using the Full Instrument Sheaths:



- Insert instrument into sheath bottom end first. If instrument is on a cable, insert probe end first and twist sheath at neck with fingers to assure film is smooth over probe lens.
- 2. Wrap additional film around probe neck. Film should be smooth over probe lens.
- 3. Slide additional film under fingers while using.



3-Step Method to Successful Inservicing

Actions Required of Nursing Staff:

Step 1:

View Exergen's Virtual Classroom Training Video.



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Step 2: Take the competency evaluation. (copy attached)

Step 3:

Provide a return demonstration to the satisfaction of the nurse educator.





Successful inservicing for the Exergen Temporal*Scanner* Thermometer is accomplished in just 3 well proven steps that follow below. Allowing 30 minutes for a Train-the-Trainer/Super Trainer or other classroom session incorporating the 3 steps below, and supervised by a nurse educator or a monitor, will accomplish the training goals of good patient care, in addition to eliminating unit based training, which is not only costly and disruptive to patient care, but has been proven ineffective for competent product training.

The Actions Required of Nursing Staff:

- 1. View Exergen's Virtual Classroom Training Video.
- 2. Take the competency evaluation (copy attached).
- Provide a return demonstration to the satisfaction of the nurse educator or monitor.

The 3 Tools for Success:

- 1. Exergen's Virtual Classroom Training Video
 - **a.** A 15 minute training video containing the information to ensure staff is clinically and functionally skilled in the use of the Exergen Temporal *Scanner* Thermometers.
 - **b.** The Virtual Classroom is available on CD's and at www.exergen.com/virtualclassroom



c. Uploading to the hospital's intranet where all staff, including medical staff, can view PRN is highly recommended.

2. Competency Evaluation

A multiple choice evaluation, the answers to which are contained in the video.

3. Return Demonstration

Taking a temperature on another attendee to the satisfaction of the nurse educator or monitor prior to leaving the session takes just a few seconds and will assure proficiency.

Contacting Exergen with Clinical Questions or for Training Material:

Clinical Questions:

617-923-9900 x 6202 medical@exergen.com www.TAThermometry.org

Training Material:

617-923-9900 x 6234 service@exergen.com www.TAThermometry.org For educational videos, clinical studies, & manuals: www.exergen.com/ww To evaluate, email: medical@exergen.com



Competency Assessment for Exergen TA Thermometer



Print Name:

Unit:

Date:

Choose the best answer and write the letter of that answer on the line in front of the number.

- 1. Temporal artery thermometers measure the patients'
 - a. Ambient air temperature.
 - **b.** Core body temperature.
 - **c.** Skin temperature.
 - **d.** Oral temperature.
- 2. Core temperature will show a spike in patient temperature:
 - **a.** One to two hours later that rectal temperature.
 - **b.** At the same time as rectal temperature.
 - **c.** One to two hours sooner than rectal temperature.
- 3. The temporal artery thermometer measures the temperature of the temporal and carotid arteries, reflecting the core temperature at the heart. In the case of the patient who has been febrile, and the fever is now breaking, the temporal artery scanner may read:
 - **a.** Lower than a rectal thermometer because the core temperature will reflect the change more rapidly than the rectum.
 - **b.** Higher than a rectal thermometer because the core temperature takes longer than the rectum to reflect the change.
 - **c.** The same because it does not matter how or where temperature is measured.
 - **d.** Lower, because environmental factors will always affect core temperature.

- 4. The temporal artery thermometer may give inaccurate reading if:
 - 1. The lens is dirty.
 - 2. The side of the forehead measured has been resting on the pillow.
 - 3. The patient has just finished drinking iced water.
 - **a.** 1 only
 - $\boldsymbol{b}.$ All of the above
 - **c.** 1 and 3
 - **d.** 1 and 2
 - $\boldsymbol{e}.$ None of the above
- 5. Core temperature measurement reflects changes in body temperature _____ oral or rectal temperature measurement.
 - **a.** Slower than
 - **b.** The same as
 - c. More quickly than
- 6. It is important to clean the lens in the center of the probe with a cottontipped stick applicator (Q-Tip) dampened with an alcohol prep pad.
 - 1. Every two weeks 2. After each use
 - 2. After each use 2. When the notion
 - 3. When the patient is discharged
 - 4. If lens is not shiny and mirror-like
 - a. 1 only
 b. All of the above
 c. 1 and 3
 d. 1 and 4
 e. None of the above

Employee

Date_____

Instructor _____

Date_____

Competency Assessment answers located on inside back cover or at: https://www.exergen.com/assessment



Clinical Studies

Peer-Reviewed Published Papers, Abstracts, Letters on Exergen Temporal Artery Thermometry (see www.exergen.com/c for the latest list)

- Adult Artz, B.A., March, K.S., and Grim, R.D. Clinical nurse specialists empowering staff to improve patient outcomes in temperature measurement: From PI/EBP to nursing research. In Patton, S. P., and Moody, R. 2011 National Association of Clinical Nurse Specialists National Conference Abstracts. Clinical Nurse Specialist: The Journal for Advanced Nursing Practice.
- **2.** Adult Espenhein A (County Hospital in Herlev, Denmark). Temporal temperature measurement. Sygeplejersken 2006;(17):50-2.
- 3. Adult CCU Bridges E, Thomas K (University of Washington). Noninvasive measurement of body temperature in critically ill patients. Crit. Care Nurse. 2009; 29(3): p. 94-97
- Adult CCU Carroll D, Finn C, Gill S, et al (Massachusetts General Hospital). A comparison of measurements from a temporal artery thermometer and a pulmonary artery catheter thermometer. Am J Crit Care. 2004;13:258.
- Adult CCU Furlong D, Carroll D, Finn C, Gay D, Gryglik C, Donahue V (2015). Comparison of Temporal to Pulmonary Artery Temperature in Febrile Patients. Dimensions of Critical Care Nursing. 2015 Jan-Feb; 34(1):47-52. doi: 10.1097/DCC.0000000000000090.
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- Adult CCU Makic MB, VonRueden KT, Rauen CA, Chadwick J. Evidence-based practice habits: putting more sacred cows out to pasture. Crit Care Nurse. 2011 Apr;31(2):38-61; quiz 62.
- Adult CCU Lawson L, Bridges E, Ballou I, Eraker R, Greco S, Shively J, Sochulak V. (University of Washington). Accuracy and precision of noninvasive temperature measurement in adult intensive care patients. Am. J. Crit. Care., Sep 2007; 16:5, 485-496.
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- 10. Adult ED Bordonaro SF, McGillicuddy DC, Pompei F, Burmistrov D, Harding C, Sanchez LD. Human temperatures for syndromic surveillance in the emergency department: data from the autumn wave of



the 2009 swine flu (H1N1) pandemic and a seasonal influenza outbreak. BMC Emerg Med. 2016 Mar 9;16(1):16. doi: 10.1186/s12873-016-0080-7.

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- Adult ED Routhier D, Hostler D, Wolfson A, Wheeler M, Reynolds J (University of Pittsburgh). Comparison of temporal artery and oral temperatures in the emergency department. ACAD EMERG MED, May 2006, Vol. 13, No. 5, Suppl. 1, www.aemj.org, p. S99
- **13.** Adult ICU Dybwik K, Nielsen EW. Infrared temporal temperature measurement. Journal of the Norwegian Medical Association 2003; 123: 3025-6.
- Adult ICU Myny D, DeWaele J, Defloor T, Blot S, Colardyn F (Ghent University Hospital, Ghent, Belgium). Temporal scanner thermometry: a new method of core temperature measurement in intensive care patients. SMJ 2005 45(1): 15-18.
- **15.** Adult ICU Kirk D, Rainey T, Vail A, Childs C (University of Manchester, Salford Royal Foundation Trust). Infra-red thermometry: the reliability of tympanic and temporal artery readings for predicting brain temperature after severe traumatic brain injury. Crit Care. 2009 May 27;13(3):R81.
- **16.** Adult oncology Hughes D. Study recommends use of professional temporal thermometer in adults. Oncology Nurse Advisor April 27, 2013.
- Adult oncology Mason TM, Reich RR, et al. Equivalence of temperature measurement methods in the adult hematology/oncology population. Clin J Oncol Nurs. 2015 Apr;19(2):E36-40. doi: 10.1188/15.CJON. E36-E40.
- Adult PACU Fetzer SJ, Lawrence A (Southern New Hampshire Medical Center). Tympanic membrane versus temporal artery temperatures of adult perianesthesia patients. J Perianesth Nurs. 2008 Aug;23(4):230-6.
- Adult Surgery Calonder EM, Sendelbach S, Hodges JS, Gustafson C, Machemer C, Johnson D, Reiland L (Abbott Northwestern Hospital). Temperature measurement in patients undergoing colorectal surgery and gynecology surgery: a comparison of esophageal core, temporal artery, and oral methods. Journal of PeriAnesthesia Nursing, Volume 25, Issue 2, April 2010, Pages 71-78
- Adult Surgery McConnell E, Senseney D, George S, Whipple D. Reliability of temporal artery thermometers. Medsurg Nursing 2013, Nov-Dec 2013, Vol. 22/No. 6, p387



- **21. Ambulance** Carleton E, Fry B, Mulligan A, Bell A, Brossart C. Temporal artery thermometer use in the prehospital setting. Canadian Journal of Emergency Medicine 2012;14(1):7-13.
- **22. Biomedical** Crossley B. Blanket warmers revisited and temporal thermometers. Biomedical Instrumentation and Technology, March/April 2012 p147.
- Cost Reduction Using TAT Hayes K, Shepard A, Cesarec A, et al. Cost minimisation analysis of thermometry in two different hospital systems. Postgrad Med J Published Online First: 18 January 2017, doi:10.1136/postgradmedj-2016-134630
- **24. Cost Reduction Using TAT -** Kumana C. Minimizing the costs of temperature monitoring in hospitals. Postgrad Med J Published Online First: 1 February 2017 doi:10.1136/postgradmedj-2017-134795
- **25.** Methods Paper Pompei F, Pompei M. Non-invasive temporal artery thermometry: Physics, Physiology, and Clinical Accuracy, presented at Medical Thermometry for SARS Detection, SPIE Defense and Security Symposium, available in Conference Proceedings, April, 2004.
- 26. Methods Paper Pompei F. Insufficiency in thermometer data. Anesth Analg. 2003 Mar;96(3):908-9.
- Methods Paper Pompei F. RE: A brief report on the normal range of forehead temperature as determined by noncontact, handheld, infrared thermometer. Am J Infect Control. 2006 May;34(4):248-9.
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- **32. Neonates** Gunawan M, Soetjiningsih I (Udayana University, Sanglah Hospital, Denpasar, Indonesia). Comparison of the accuracy of body temperature measurements with temporal artery thermometer and axillary mercury thermometer in term newborns. Paediatr Indones, Vol. 50, No. 2, March 2010.



- **33. NICU** Burdjalov VF, Combs A, Nachman S, Baumgart S (SUNY at Stony Brook). Non-Invasive infrared temperature assessment of the temporal artery for core temperature determination in premature neonates, Presented American Pediatric Society and the Society for Pediatric Research, May 1, 2001.
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- **36. NICU** Smith et al. Comparison of axillary and temporal artery thermometry in preterm neonates. J Obstet Gynecol Neonatal Nurs. 2018 Apr 3. pii: S0884-2175(18)30052-2. doi: 10.1016/j.jogn.2018.02.013. [Epub ahead of print]
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- PACU Bradley SL, Kwater AP, et al. Is skin temperature measurement in PACU an accurate reflection of core temperature? ASA Abstract A3182, the Anesthesiology Annual Meeting 2016, http://www. asaabstracts.com
- **39. PACU -** Langham GE, Maheshwari A, Contrera K, You J, Mascha E, Sessler DI (Case Western Reserve University). Noninvasive temperature monitoring in postanesthesia care units. Anesthesiology. 2009 Jul;111(1):90-6. doi: 10.1097/ALN.0b013e3181a864ca
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- **41. PACU -** Pittman R and Waters R (CaroMont Health Care, Gastonia, NC). Do our patients have hypothermia? Temporal versus oral thermometers. Journal of PeriAnesthesia Nursing Volume 24, Issue 3, June 2009, Page e18.
- **42. PACU** Sandlin D (Southern Hills Medical Center, Nashville TN). New Product Review: Temporal Artery Thermometry, Journal of PeriAnesthesia Nursing, Vol. 18, No 6 (December) 2003, pp 419-421.
- **43.** Pediatric CCU Opersteny, Esther et al. Precision, sensitivity and patient preference of non-invasive thermometers in a pediatric surgical acute care setting. Journal of Pediatric Nursing: Nursing Care of Children and Families , 2017, Volume 35 , 36 41.



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- 53. Pediatric ED Schuh S, Komar L, Stephens D, Chu L, Read S, Allen U (University of Toronto/Hospital for Sick Children). Comparison of the temporal artery and rectal thermometry in children in the emergency department. Pediatric Emergency Care, Vol 20, No. 11, Nov 2004
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- **57. Pediatric ED -** Batra P, Goyal S. Comparison of rectal, axillary, tympanic, and temporal artery thermometry in the pediatric emergency room. Pediatr Emerg Care. 2013 Jan;29(1):63-6. doi: 10.1097/ PEC.0b013e31827b5427.
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Ensuring Cost Savings Reality... by Virtual Innovation

Virtual Classroom ensures cost savings, waste reduction, and enhanced patient care by training and supporting millions of caregivers in new thermometry technology. So exactly how does it work?

What is the cost savings reality you are referring to?

Francesco Pompei. Temporal artery thermometry (TAT) has produced an estimated \$100 million in direct cost savings and 10,000 tons of waste reduction in the last few years for healthcare institutions. For a typical 300-bed hospital, this translates to nearly \$100,000 in unnecessary costs and two tons of waste eliminated per year. Furthermore, a recent independent study reported that TAT also saves 87 percent of nursing time used for taking temperature.

These are certainly impressive numbers. How does new thermometry technology do this?

FP. TA thermometry lightly scans the intact skin of the forehead, placing it in the same category as a stethoscope – simply clean between patients with the same wipe used

with the stethoscope. Conventional thermometry systems require a probe to be inserted into a body cavity, which in turn requires robust protection from contamination by applying a single-use disposable cover. Th e dramatically reduced use of disposable probe covers is a major benefi t from TA thermometry, eliminating approximately 90 percent of the direct cost of providing this vital sign. In addition, since there is no small fragile probe to be inserted into a body cavity, TAT can be designed to be far more robust than conventional thermometry, and can carry a lifetime warranty. This not only eliminates direct repair costs, but also greatly reduces all of the indirect costs, such as removal of equipment from service, evaluation by biomedical engineering, return to the manufacturer, receipt of the repaired device and reinstallation to service. Since typical payback for TA thermometry is measured in months, hospitals using TAT have effectively eliminated the cost of patient temperature as a vital sign.

How can you provide technology training and support for millions of caregivers without substantially increasing your own costs?

FP. Comprehensive training for new technology always carries a very high cost, particularly a technology that is used as extensively (millions of users) and across as many skill sets (MDs to RNs to PCAs) as thermometers. The supplier's cost in providing this training necessarily has to be passed along as part of the cost of the thermometry system. For the older thermometry systems, the unending stream of payments from disposables and repairs paid for the costs of training and support. For TAT, since only 10 percent of the cost of the older thermometry systems is available as revenue, we had to innovate to preserve the savings for hospitals. There is also a substantial cost for the hospital in maintaining competency levels on all equipment used in patient care, which new technology should not increase, but preferably reduce. This is where avatars and the Virtual Classroom come into play.



Francesco Pompei is Founder and CEO of Exergen Corporation, and holds 60 US patents in noninvasive thermometry for medical and industrial applications. Earning BS and MS degrees from MIT, and an SM and PhD from Harvard, Dr. Pompei also holds an appointment as Research Scholar in the Dept of Physics at Harvard.



"When five senior physicians in a major university teaching hospital crowded around an iPhone's three-inch screen, watched intently, requested a replay, and then described it as 'brilliant', we knew we were on the right track"

Why avatars in a Virtual Classroom?

FP. Because we found that everyone is fascinated by this medium, and enjoys and pays attention to the content. Training videos, written materials, and even personal in-servicing tend to be boring and are oft en ineff ective, requiring frequent and expensive follow-up by both supplier and hospital educators. Avatars are compelling. The movie of the same name, vast numbers of video games, and extensive social networking are testament to the their effectiveness in capturing the attention of the viewers, which is the most important element in training and support of millions of users. The Virtual Classroom presents familiar scenes and interactions for clinicians, but with avatars substituted for real people.

An important cost advantage to the supplier is the ease in which the Virtual Classroom can be updated to include new training, new products, or new methods. In turn, this lower cost translates into lower cost for TAT users in healthcare.

What convinced you that it would work?

FP. When fi ve senior physicians in a major university teaching hospital crowded around an iPhone's three-inch screen, watched intently, requested a replay, and then described it as "brilliant", we knew we were on the right track. When 35 nurses crowded around an iPad's 10-inch screen, watched intently, laughed at the avatar interactions as similar to their real life colleagues, and exclaimed "such a great idea" we knew our primary audience would be engaged. And the fi nal test was when 1000 nurses and PCAs were trained for TAT by viewing the Virtual Classroom on a large projection screen. Th e subsequent written competency exam was passed by 100 percent of the attendees, and the return demonstration was passed by 99.9 percent on the fi rst try. Prior to the Virtual Classroom, the initial pass rates on personal in-servicing could be as low as 50 percent, which was costly for both supplier and hospital to remedy. The Virtual Classroom is a major improvement and cost benefit for both hospital and supplier.

How do sales people respond to the Virtual Classroom?

FP. With a standing ovation. First they learned what they needed to know very quickly and efficiently, and then realized how easily they could provide excellent training and support for their customers by employing the Virtual Classroom.

How about Nurse Educators?

FP. They immediately embraced the Virtual Classroom, as it made it possible for them to assure correct training on new technology, without increasing costs. Th is is particularly important given the staff reductions that many hospitals are facing. Nurse Educators have become strong advocates of the Virtual Classroom as an important tool to help them do their jobs.

How are hospitals implementing Virtual Classroom?

FP. By uploading the Virtual Classroom to their intranet, all clinicians have convenient access at all times. This allows staff to review the TAT science and methods at their convenience rather than at specific times that might compete with patient care. Those without an intranet provide a Virtual Classroom CD to all nursing units. The Virtual Classroom also includes internet links for more detailed clinical information.

How much does the Virtual Classroom cost the hospital?

FP. Zero. We provide this tool free of charge. The Virtual Classroom copyright explicitly gives permission for any use in connection with TAT. A convenient flash version is also available at **www.exergen.com/virtualclassroom** that can be accessed anytime. High resolution CDs are available on request by emailing **medical@exergen.com**.













Other Clinical Thermometry Solutions For the NICU







Order PN: 140033

EXERGEN

A Unique Gift for the Parents of Your Tiny NICU Patient

- The TAT is intended for exclusive use on one infant throughout that infant's stay in the NICU, and then given to the parents on discharge.
- After removing the TAT from the Information Packet, remove the clear storage cap, return to the Packet, and retain the Packet to provide to the parents on discharge.

In the NICU

The TAT should remain in the isolette/radiant warmer with the baby.

- Before the first use, disinfect with 70% isopropyl alcohol, and allow the TAT to equilibrate to the temperature in the isolette or radiant warmer for about 20 minutes. From then on, it is ready for use at any time.
- Being dedicated to one baby, there is no need to disinfect the thermometer between uses

On Discharge

The TAT and Information Packet should be given to the parents to take home.

Return the TAT-2000C (and the User's Manual if removed) to the plastic bag Information Packet when you give it to the parents.



Other Clinical Thermometry Solutions For Home Care Nursing

The TAT-2000 is a light-duty professional model intended for home health care nursing, school nurses, nursing homes, and other light use clinical settings. It allows the

choice of using disposable covers (caps PN:134203 or full sheath PN:129462), or cleaning between patients with a disinfectant wipe. The TAT-2000 is protected by a three year warranty. To order the TAT-2000 Temporal thermometer use PN: 140001.







For Plastic and Vascular Surgery, Pain Management, Rheumatology, Neurology, Anesthesiology, Oncology, Wound Management, & Diabetic Neuropathy





The DermaTemp is a high precision hand-held infrared thermographic scanner designed to detect the subtle skin temperature variations caused by underlying perfusion variations. These instruments feature a patented automatic emissivity compensation system for absolute accuracy regardless of skin type or color. In those applications where cross-contamination is an issue, the use of disposable wraps or sheaths allows even moist or wet tissue to be measured with precision accuracy.

Available are:

- DT-1001LN Long Probe Model (order PN: 104910)
- DT-1001RS Remote Sensor Model, dry skin measurement (order PN: 104950)
- Disposable sheaths for moist skin measurement, cross-contamination protection (order PN: 129460).
- Wraps for moist tissue and cross-contamination protection (order PN: 128800).

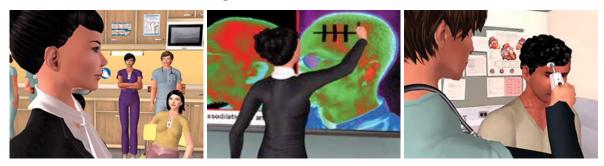


New Independent Studies Show Exergen Reduces Hospital Costs by 90% Compared to Other Thermometers

"Yielded clear-cut cost savings that increased exponentially with increasing duration of use and increasing bed numbers per device."

[1] Hayes K, Shepard A, Cesarec A, et al. Cost minimisation analysis of thermometry in two different hospital systems. Postgrad Med J Published Online First: 18 January 2017, doi:10.1136/postgradmedj-2016-134630

- Patients love the TemporalScanner!
- Cost savings of 90% over other thermometry methods
- Lifetime Warranty unique to thermometry
- Chemical resistant materials stand up to harsh disinfectants
- On-demand, innovative, inservicing results in successful usage for all levels of nursing skills





To evaluate, email: medical@exergen.com

For general information: www.exergen.com

For clinical information, visit: www.TAThermometry.org

For educational videos, clinical studies, and manuals: www.exergen.com/ww



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