5100 Paint Branch Parkway
College Park, MD 20740-3835

M-b-355

January 28, 2008

TO: All Regional Food and Drug Directors
             Attn: Regional Milk Specialists

FROM: Dairy and Egg Branch (HFS-316)

SUBJECT: Eurotherm 5000/6000 Series, Model Numbers 6100A, 6180A, 5100V,
             5180V and 5000B Paperless Data Acquisition Systems

In accordance with M-I-00-2, *Milk and Milk Product Equipment-A Guide for Evaluating Construction*, FDA's Pacific Region Dairy Products Team (DPT) and CFSAN's Dairy and Egg Branch/Milk Safety Team have evaluated and validated the technical information submitted by the Pacific Region Dairy Equipment Review Committee (PRDERC) addressing the Eurotherm 5000/6000 Series, Model Numbers 6100A, 6180A, 5100V, 5180V and 5000B Paperless Data Acquisition Systems.

When constructed, installed and operated as described in this memorandum the Eurotherm 5000/6000 Series, Model Numbers 6100A, 6180A, 5100V, 5180V and 5000B Paperless Data Acquisition Systems equipment has been found to comply with the *Grade "A" Pasteurized Milk Ordinance* (PMO) for recording purposes only. Compliance with the PMO is based upon construction, installation and operation as described in the Manufacturer's Installation and Operation Manual, HA261742, 5100/5180, Issued May 5, 2001, User Guide HAO28910, 6100A/6180A, Issue G., Issued October 2005, and User Guide HA027566, 5000B, Issued April 5, 2003, as well as the following provisions:

1. All PMO installations must comply with the Manufacturer's Installation and Operating Manual, HA261742, 5100/5180 Issued May 5, 2001, User Guide HAO28910, 6100A/6180A, Issue G., Issued October 2005, and User Guide HA027566, 5000B, Issued April 5, 2003.

2. The Eurotherm 5000/6000 Series, Model Numbers 6100A, 6180A, 5100V, 5180V and 5000B Paperless Data Acquisition Systems shall be installed in compliance with Proposal 134 as passed at the 2007 National Conference of Interstate Milk Shipments (NCIMS) Conference and addressed in IMS-a-46 and Section 7.

Standards For Grade "A" Raw Milk For Pasteurization, Ultra-Pasteurization Or Aseptic Processing and Appendix H. Pasteurization Equipment And Procedures, Item V. Criteria For The Evaluation Of Electronic Data Collection, Storage And Reporting within the 2007 PMO.

3. The Eurotherm Paperless Data Acquisition System shall not be utilized for public health control functions for pasteurization systems.

For information regarding this equipment, please contact:

Eurotherm Controls Inc.
741-f Miller Drive S.E.
Leesburg, VA 20175
Attn: Charlie Fetty
Phone: (858) 774-7744
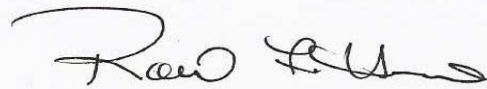Email: Charlie.Fetty@Eurotherm.com

FDA's review and acceptance of this piece of equipment does not constitute FDA endorsement or approval. Any representation on a label or in printed literature citing or indicating as "FDA Approved" is false and misleading.

An electronic version of this memorandum is available for distribution to Regional Milk Specialists, State Milk Regulatory Agencies and State Milk Sanitation Rating Officers in your region. The electronic version should be widely distributed to representatives of the dairy industry and other interested parties and will also be available on the CFSAN Web Site at http://www.cfsan.fda.gov at a later date.

If you would like an electronic version of this document prior to it being available on the CFSAN Web Site, please e-mail your request to Robert.Hennes@ cfsan.fda.gov.

Randy Elsberry
FDA Regional Milk Specialist

CAPT Robert F. Hennes, MPH, RS

EUROTHERM FLEXIBLE SOLUTIONS

6000

SERIES DATA MANAGEMENT...

invensys
EUROTHERM

6100A 6180A

MODELS

Paperless Graphic Recorders
Specification Sheet

- Colour touchscreen display
- USB 'plug & play'
- Up to 48 universal Inputs
- Up to 96MB non-volatile flash memory
- 125ms parallel sampling
- Compact Flash or Secure Digital card
- Modbus RTU
- Ethernet TCP/IP
- Web server

The 6000 Series offer unrivalled input accuracy with a 125ms total sample rate for up to 48 input channels. Input channels are freely configurable to suit your process requirements. Each instrument has an intuitive, touch screen display to enable operators to clearly view process data in varying formats. All have onboard Flash data storage capability, Ethernet communication and choice of Compact Flash or SD card. Data is stored in a tamper-resistant binary format that can be used for secure, long term records of your process. The 6000 Series is truly designed for todays networked world and can be accessed via a Local Area Network, dial-up connection, Intranet or Internet.

Available features		
	6100A	6180A
Display	5.5" 1/4 VGA	12.1" XGA
Channels	18	48
Relays	16	36
Events inputs	24 (6 per option card)	
Groups	6 standard (12 optional)	
Auditor features	Auditor or audit trail	
Virtual channels*	36, 96, 128	
Timers	Fitted as standard	
Alarms	4 per channel	
Batch	Optional	
Bridge- remote viewing software	Lite as standard (Full optional)	
Screen builder	24 (optional)	
Security	Unlimited unique user names with configurable access permissions and passwords	
Configuration software	Standard	
Review/Quickchart Lite software	Standard	
Standard views	Vertical and horizontal trending, Vertical and horizontal bargraphs, Circular trend and numeric values	

* Virtual channels can be configured as maths, totalisers, counters or comms

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