




New Dairy farm bulk tank recording thermometer increases your quality premiums by 20%

The GUARDIAN

-  **Higher Quality Milk = Higher Quality Premiums!**
-  **Lower Bacteria Counts Through Complete Bulk Tank System Monitoring!**
-  **Eliminate Lost Loads of Milk Due To Over-Temperature Conditions!**

The Guardian is the only circular chart recording thermometer specifically designed for the dairy farmer that will monitor and document milk temperature. This ensures that your milk is properly cooled and remains cool while stored in the bulk tank. The result is higher quality milk and increased premiums for you!



The Guardian Comes fully equipped with a sensor - No additional equipment needed



Records both wash water temperature and wash time — Eliminates another potential source of bacteria!

Further Benefits of the Guardian:



Digital temperature display providing you with early detection of potential problems



High temperature alarm alerts you to cooling problems, preventing lost loads of milk

www.anderson-fbtr.com
sales@anderson-fbtr.com



Anderson Instrument Company, Inc.
2100 W. Broad Street
Elizabethton, NC 28337
Ph: 1-800-286-4890
Fax: 1-910-862-5404

HOW TO ORDER:

Step 1

- Recorder with standard high temperature alarm relay - RTD sensor with 25' cable
Part Number **55010001**
- Recorder with standard high temperature alarm relay - RTD sensor with 50' cable
Part Number **5501000101**
- Recorder with second alarm relay for high **and** low temperature indication - RTD sensor with 25' cable
Part Number **55020001**
- Recorder with second alarm relay for high **and** low temperature indication- RTD sensor with 50' cable
Part Number **5502000101**

Step 2

CHART ROTATION TIME PERIOD

- 24 Hours We recommend a chart rotation time that corresponds to your milk pick-up schedule. For example, if your milk is picked up every other day, choose a chart rotation time of 48 hours.
- 48 Hours
- 72 Hours
- 7 Days

* Note: For recording in degrees C, please tell your dealer when ordering.

SPECIFICATIONS:

INPUTS

Input Types/Range

Type

RTD 100 ohm Platinum
.00385 ohms/ohm/°C
Sensor Fault Detection

Range

-1°C to 82°C 30°F to 180°F

Display goes to 'SnSr' and pen goes downscale if a sensor break is detected.
Display goes to 'Hi' 10% above span.
Display goes 'Lo' 10% below span

ALARMS

Number
Type
Security

Up to two process alarms
Process high or low
Alarm setpoint changes can be prohibited

RELAY OUTPUTS

Relays

SPDT, contacts rated 5 amps resistive at 115 VAC,
2.5 amps resistive at 230 VAC, 1/8 HP at
230 VAC (single phase), 250 VA at 115/230

RECORDING

Pen Color
Chart Size
Chart Rotation
Chart Span
Chart Platen
Accuracy

Red
10 inch (Highlighted Green Zoned Chart)
User configurable: 24 hours, 48 hours, 72 hours, or 7 days
Bottom and top of span, 30° to 180°F (Reverse Range)
Sealable/Pinned Hub
± .75°F or 0.5% of chart span reference accuracy

OPERATOR INTERFACE

Display
Status Indicators
Keypad

Four digits 0.56" high, red, seven segment, LED display
Two red LED alarm status indicators
Three keys for programming and unit operation

POWER REQUIREMENTS

Line Voltage

90-264 VAC, 50/60 Hz

CONSTRUCTION

Enclosure
NEMA Rating
Conduit Openings
Mounting
Overall dimensions

Injection molded case and cover with acrylic window
NEMA 4X standard
Three openings on the bottom
Wall
11.5" wide X 14" high X 6.6" deep.
Weight 15lbs maximum

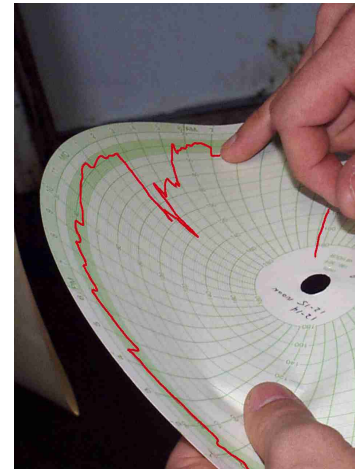
ENVIRONMENTAL AND OPERATING CONDITIONS

Operating Temperature

0°C to 50°C (32°F to 122°F)

GENERAL REFERENCE INFORMATION

One Year Warranty
UL and cUL Approved
Holds Calibration for minimum of One Year
Recorder and sensor calibrated and supplied as a package
Short circuit protected



This Dairy Farmer located a potential source of bacteria using the information displayed on the chart!



Anderson Instrument Company, Inc.
2100 W. Broad Street
Elizabethton, NC 28337
Ph: 800-286-4890
Fax: 910-862-5404
www.anderson-fbtr.com
sales@anderson-fbtr.com