

AVAILABLE THROUGH

**GRAINGER**

**NEW**

FOR THE ONES WHO GET IT DONE

# Traceable® Datalogging Refrigerator/Freezer Thermometers

## Traceable® Excursion-Trac™ Datalogging Refrigerator/Freezer Thermometer

Datalogging thermometer with user-defined time intervals

- Alarm tracking stores in memory when each alarm event occurred and duration
- Meets current CDC requirements for vaccine storage and monitoring
- Rolling memory structure, maintains most recent 525,600 temperature observations
- Stores up to 10 unique alarm events
- Memory can be cleared on unit after downloading data to USB stick
- Hassle-free retrieval of data - unit can remain in use while downloading and analyzing data
- Status indicators—low battery, memory full, USB data transfer and active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, Traceable® Certificate, batteries

Cat. No.	Range	Resolution	Accuracy	Probe
33HP64	-50.00 to 70.00°C	0.01°	±0.25°C	1 bottle
33HP65	-50.00 to 70.00°C	0.01°	±0.25°C	2 bottles
33HP66	-50.00 to 70.00°C	0.01°	±0.25°C	1 Bullet™
33HP67	-50.00 to 70.00°C	0.01°	±0.25°C	2 Bullets™
33HP68	-50.00 to 70.00°C	0.01°	±0.25°C	1 bottle and 1 Bullet™
33HP69	-50.00 to 70.00°C	0.01°	±0.25°C	1 Stainless-steel
33HP70	-50.00 to 70.00°C	0.01°	±0.25°C	2 Stainless-steel



33HP64

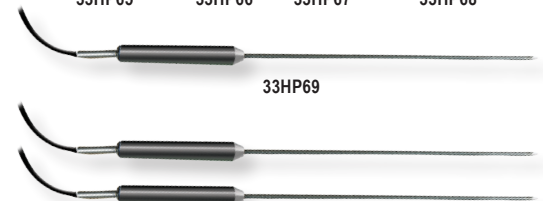


33HP65

33HP66

33HP67

33HP68



33HP69

33HP70

## Traceable® Memory-Loc™ Datalogging Refrigerator/Freezer Thermometers

Datalogging thermometer that can used in 21 CFR 11 environments

- Meets current CDC requirements and additional recommendations for vaccine storage and monitoring
- Use in 21 CFR 11 environments, raw data is locked and may not be cleared/changed on base unit
- Alarm tracking stores in memory when each alarm event occurred and duration
- Data-logging thermometer with fixed one minute logging interval
- Stores up to 10 unique alarm events
- Capable of storing over 1 million temperature observations
- Hassle-free retrieval of data - unit can remain in use while downloading and analyzing data
- Status indicators—low battery, low memory, USB data transfer, active alarm state
- Supplied: stand, Velcro®, magnetic strips, wall mount, Traceable® Certificate, batteries

Cat. No.	Range	Resolution	Accuracy	Probe
33HP71	-50.00 to 70.00°C	0.01°	±0.25°C	1 bottle
33HP72	-50.00 to 70.00°C	0.01°	±0.25°C	2 bottles
33HP73	-50.00 to 70.00°C	0.01°	±0.25°C	1 Bullet™
33HP74	-50.00 to 70.00°C	0.01°	±0.25°C	2 Bullets™
33HP75	-50.00 to 70.00°C	0.01°	±0.25°C	1 bottle and 1 Bullet™
33HP76	-50.00 to 70.00°C	0.01°	±0.25°C	1 Stainless-steel
33HP77	-50.00 to 70.00°C	0.01°	±0.25°C	2 Stainless-steel



33HP75

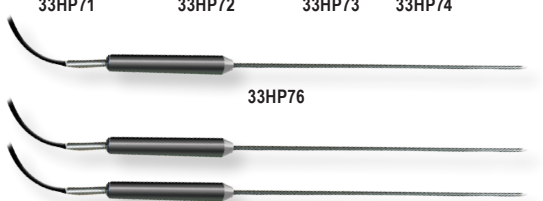


33HP71

33HP72

33HP73

33HP74



33HP76

33HP77

### Traceable to NIST for accuracy:

To assure accuracy, all Traceable® Thermometers are supplied with an individually serial-numbered Traceable® Certificate provided from an ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST.

# Traceable® Refrigerator/Freezer Thermometers



3KTU9



6KEA6



3KTV4



6KEA9



33HP64



33HP71

Accurately monitor temperatures in freezers, water baths, heating blocks, incubators, and refrigerators with this enclosed temperature-buffered sensor. Bottle insulates sensor from rapid temperature changes when refrigerator door is opened.

Alarm feature provides alert when temperature rises above or falls below a set point.

Catalog Number	3KTU9	6KEA6	3KTV4	6KEA8 6KEA9	33HP64 33HP65	33HP71 33HP72
----------------	-------	-------	-------	----------------	------------------	------------------

### CDC Requirements

Traceable® Certificate supplied	✓	✓	✓	✓	✓	✓
Calibration Report Included	✓	✓	✓	✓	✓	✓
Annual Recalibration by ILAC/MRA accredited laboratory available	✓	✓	✓	✓	✓	✓

### CDC Recommendations

Glycol encased probe	✓	✓	✓	✓	✓	✓
Certificate of Calibration includes methods and procedure documentation	✓	✓	✓	✓	✓	✓
Certificate of Calibration includes stated uncertainties	✓	✓	✓	✓	✓	✓
Certificate of Calibration includes measurement results	✓	✓	✓	✓	✓	✓
Minimum/Maximum Memory	✓	✓	✓	✓	✓	✓
Capable of displaying current temperature and minimum/maximum memories	✓	✓	✓	✓	✓	✓
Minimum/Maximum Memory reset	✓	✓	✓	✓	✓	✓
Detachable probe	✓	✓	✓	✓	✓	✓
High/Low Alarm	✓	✓	✓	✓	✓	✓
Read storage unit temperatures without opening the door	✓	✓	✓	✓	✓	✓
±0.5°C (±1°F) Accuracy	±1°C	±1°C	±0.5°C	±0.3°C	±0.25°C	±0.25°C
Low battery indicator	✓	✓	✓	✓	✓	✓
Data Logger with Continuous Monitoring and Active Display					✓	✓
Data Logger with user programmable logging intervals					✓	
Data Logger capable of storing 4,000 readings that will not overwrite when full						✓

### Traceable to NIST for accuracy:

To assure accuracy, all Traceable® Thermometers are supplied with an individually serial-numbered Traceable® Certificate provided from an ISO/IEC 17025 (1750.01) calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST.

AVAILABLE THROUGH

**GRAINGER®**

FOR THE ONES WHO GET IT DONE

For more information contact your Grainger Representative or visit [Grainger.com](http://Grainger.com)®