

HAMSTER-E

the small ELPRO datalogger



ELPRO-BUCHS AG
CH-9471 Buchs SG



ELPRO MESSTECHNIK GmbH
DE-73614 Schorndorf

ELPRO SERVICES Inc.
Marietta, OH 45750
USA

home: www.elpro.com

Hamster, the small datalogger:

ELPRO dataloggers belonging to the HAMSTER-E series are optimized for recording temperature and relative humidity. The data is stored in the datalogger's internal memory and can be loaded to the PC simply and quickly via serial interface. A small optical cable adapter is used for the data transfer. As a result, the communication interface is kept absolutely water-resistant.

Primary applications:

- Transport of low-temperature and deep-frozen goods
- Warehouses, cold-storage warehouses
- Cold storage areas for fresh food products
- Display cases and store rooms for meat products
- Museums and galleries
- Technical processes
- Air-conditioned areas



Hamster-E ET1

Art.Nr. 4901

Hamster-E ET1-D

Art.Nr. 4904 (with display)

- Robust, shock-resistant casing; easy to mount with lockable mounting bracket
- ET1: Temperature recording with internal probe from -40°C to +70°C
Alarm and status with LED in small window
Casing IP 67-sealed (dustproof, temporary submersion in water possible)
- ET1-D: Temperature recording with internal probe from -30°C to +55°C
Alarm and values in display
Casing IP 65-sealed (dustproof, protection against water jets)



Hamster-E ET2

Art.Nr. 4902

- Temperature recording with 2 external probes from -90°C to +260°C
- Temperature range for the datalogger -30°C to +55°C
- For external temperature probe; type PT1000, 2-wire
- Large 2 line display
- Alarm and status in display
- "Battery low" display
- Robust, shock-resistant casing, easy to mount with lockable mounting bracket
- Casing IP 65-sealed (dustproof, protection against water jets)



Hamster-E EHT1 Art.Nr. 4903

- Temperature recording from -30°C to +55°C and rel. humidity 5% - 95% rH
- Universal probe mounted at unit
- Large 2 line display
- Alarm and status in display
- "Battery low" display
- Robust, shock-resistant casing, easy to mount with lockable mounting bracket
- Casing IP 30-sealed (protected against solid foreign bodies 2.5 mm diameter)



HAMSTER-E

General technical data:

- Large data memory with 32,000 measured values
- Small current consumption with typical battery life of 2-3 years
- Battery change by user
- Selectable recording interval from 10 seconds to 24 hours
- Start/stop and loop memory mode

Waterproof rating	ET1	IP67
	ET2, ET1-D	IP65
	EHT1	IP30

Ambient temperature

-30°C .. +55°C (Hamster ET1 -40°C .. +70°C)

	Measure range	Resolution	Accuracy
ET1 internal probe	-40°C .. +70°C	0.2°C	+/- 0.5°C
ET1-D internal probe	-30°C .. +55°C	0.2°C	+/- 0.5°C
ET2 with probe class B	-50°C .. +100°C	0.2°C	+/- 0.5°C
	-90°C .. +260°C	0.2°C	+/- 1.0°C
EHT1 temperature	-30°C .. +55°C	0.2°C	+/- 0.5°C
rel. humidity	5%rH .. 95%rH	0.2%rH	+/- 3%rH

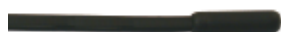
Casing dimensions: ET1 64x93x27mm, ET2 64x93x29mm, EHT1 64x93x43mm

Temperature probes:



Part. No.: 4960

PT1000 plug-on temperature probe, -30° .. +55°C, can be plugged directly to Hamster-ET2 logger



Part. No.: 4950-SLxx

PT1000 DIN B temperature probe; soft rubber, watertight, -70° .. +105°C, LS=20mm, D=5mm, cable length 2m or 10m



Part. No.: 4953-SLxx

PT1000 universal temperature probe, -50° .. +180°C, LS=50mm, D=6mm, silicone cable length 2m or 10m



Part. No.: 4951-SL04

PT1000 temperature probe, 0° .. 260°C, for dry applications only, LS=50mm, D=6mm, glass fiber cable length 4m



Part. No.: 4952-SL03

PT1000 needle temperature probe, -30° .. +140°C, with handle, LS=100mm, D=4mm, silicone cable length 3m



Part. No.: 4956-L0

PT1000 DIN A ML temperature probe, -90° .. +260°C, LS=350mm, D=3mm, bendable, Tmax connector=90°C, without cable



Part. No.: 4957-L0

PT1000 DIN A ML temperature probe, -90° .. +260°C, LS=150mm, D=3mm, bendable, Tmax connector=90°C, without cable

Accessories:



Part.No.: 4910

Wall bracket for the Hamster-E, lockable, including padlock



Part.No.: 4912

PC data cable for Hamster-E, for PC evaluation, RS232, DB9

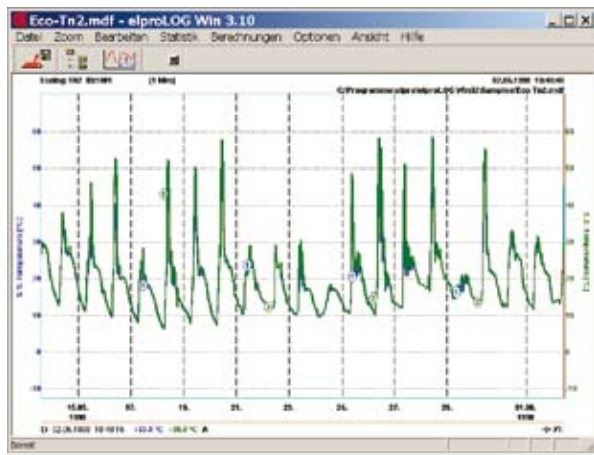
Extension cables for 4956 / 4957:

Part. No.: 4915-S02

Extension cable PT1000, 3-wire, L= 2m, connector M8x1 f/f, Tmax= 90°C

Part. No.: 4915-S05

Extension cable PT1000, 3-wire, L= 5m, connector M8x1 f/f, Tmax= 90°C



elproLOG evaluation software functions

- Programming for all ELPRO dataloggers
- Datalogger readout
- Printout of all screens and print preview
- Clearly laid out graphic representation
- Clearly laid out table formats
- Status printout with information about datalogger
- Statistical data, histogram visualization
- Export of data and graphics
- Send E-mail: data file per E-mail to receiver

elproLOG, the PC software for all ELPRO dataloggers

Simple, fast, reliable, plug & play

For all ELPRO dataloggers; self-adapts to the various units

Can be adapted to match requirements

Clearly laid-out documents can be created simply and effectively

elproLOG software

Part No. 2338-CDV full version

Part No. 2338-CDU update

elproLOG QLS Software for FDA, GLP, GMP

Part No. 2339-BL, basic license

Part No. 2339-FL, follow license

for all Windows PCs:

WNT4, W2000, XP

Automatic installation from the CD

Range of ELPRO dataloggers:



can be delivered as
Ex models

ECOLOG quality dataloggers

For temperatures (NTC and PT100) from
-200°C .. +550°C,
relative humidity 0%..100%,
programmable alarm functions,
one-year memory capacity (64,000
measured values), large display and
multifunctional keypad.



Universal dataloggers HOTBOX-SE

Freely programmable units of measure,
e.g. pressure, CO2, m/sec.
Memory capacity for 64,000 measured
values, autoscroll display, sensor supply
from integrated batteries 2x 9V = 18V,
external sensor supply possible.



The HAMSTER-A datalogger

The waterproofed datalogger for
temperature recording.
With a memory capacity for 64'000
measured values, washable and
submergible.



HOTBOX HTH

Humidity and temperature up to 105°C.
Stand-alone datalogger for high
temperatures, robust aluminum casing,
memory capacity for 64,000 measured
values.

Contact us for information about dataloggers, sensors, accessories and alarm devices.

Head Office:

ELPRO-BUCHS AG

Langäulstrasse 62

CH-9471 Buchs SG

Switzerland

Tel: +41 81 750 03 11

Fax: +41 81 750 03 17

email: swiss@elpro.com

home: www.elpro.com

广州虹科电子科技有限公司 广州市五山华南理工大学国家科技园 2 号楼 504-505 室 (510640)

电话: 020-3874 3030; 3874 3032 e-mail: sales@hkaco.com 网站: www.hkaco.com

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