



Possible to record 10,000 data sets



Animal Body Temperature Logger

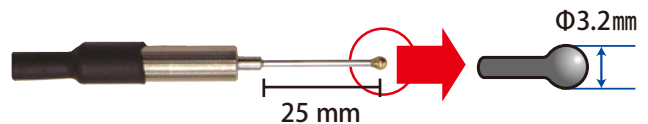
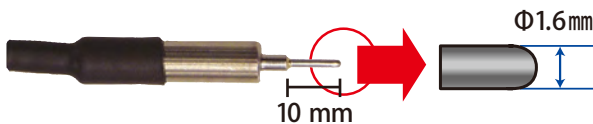
With endorectal probe for mice



With endorectal probe for rats



Cable length: approx. 1 m



High precision, platinum RTD^{*1} sensor (in an anti-corrosive SUS316 protective tube)

*1 Resistance Temperature Detector
Tolerance: $\pm(0.15 + 0.002 \times t)^\circ\text{C}$
t: Absolute value of the measured temperature



The round-shaped tips minimize stress and pain felt by animals!

Recording data



Simply press the START key to start recording measurements. The interval for data capture can be set between 1 second and 60 minutes.

On top of animal body temperature, four environmental data – temperature, humidity, barometric pressure and vibration – will also be recorded simultaneously (sensors for these measurements are built in the main unit).^{*2}

*2 The items to be shown on the display can be chosen.

Continued overleaf...

Sending the recorded data to a PC

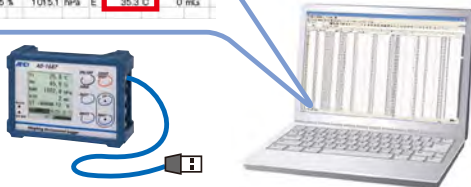
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	AMODEL	AD-1687	S/N	T1:ID	0 VR	1.3								
2	1	2014/10/24	185401	27.0	47.9	%	10151	hPa	E	271.0	°C	2.0	mG	
3	2	2014/10/24	185402	27.0	47.9	%	10151	hPa	E	278.0	°C	2.0	mG	
4	3	2014/10/24	185403	27.0	47.8	%	10151	hPa	E	284.0	°C	1.0	mG	
5	4	2014/10/24	185404	27.0	47.8	%	10151	hPa	E	291.0	°C	1.0	mG	
6	5	2014/10/24	185405	27.0	47.8	%	10151	hPa	E	359.0	°C	1.0	mG	
7	6	2014/10/24	185407	27.0	47.7	%	10151	hPa	E	373.0	°C	1.0	mG	
8	7	2014/10/24	185406	27.0	47.7	%	10151	hPa	E	370.0	°C	2.0	mG	
9	8	2014/10/24	185408	27.0	47.7	%	10151	hPa	E	367.0	°C	1.0	mG	
10	9	2014/10/24	185410	27.0	47.7	%	10151	hPa	E	365.0	°C	1.0	mG	
11	10	2014/10/24	185411	27.0	47.7	%	10151	hPa	E	361.0	°C	0.0	mG	
12	11	2014/10/24	185413	27.0	47.6	%	10151	hPa	E	355.0	°C	1.0	mG	
13	12	2014/10/24	185414	27.0	47.6	%	10151	hPa	E	352.0	°C	1.0	mG	
14	13	2014/10/24	185415	27.0	47.6	%	10151	hPa	E	35.0	°C	1.0	mG	
15	14	2014/10/24	185416	27.0	47.6	%	10151	hPa	E	372.0	°C	2.0	mG	
16	15	2014/10/24	185417	27.0	47.6	%	10151	hPa	E	38.0	°C	1.0	mG	
17	16	2014/10/24	185418	27.0	47.6	%	10151	hPa	E	381.0	°C	2.0	mG	
18	17	2014/10/24	185419	27.0	47.6	%	10151	hPa	E	37.0	°C	0.0	mG	
19	18	2014/10/24	185420	27.0	47.5	%	10151	hPa	E	352.0	°C	2.0	mG	
20	19	2014/10/24	185421	27.0	47.5	%	10151	hPa	E	364.0	°C	1.0	mG	
21	20	2014/10/24	185422	27.0	47.5	%	10151	hPa	E	353.0	°C	0.0	mG	
22														

Body temperature of a mouse/rat

Connect the main unit to a PC using the provided USB cable.

The PC will recognize the device, and transfer of data (in CSV format) will become possible.

The data file will look as shown on the left (containing columns for data no., date, time, temperature and others).



Specifications

	Resolution	Measurement range	Accuracy
Endorectal probe			
Temperature	0.1 °C 0.1 °F	0 to 80 °C 32 to 176 °F	±0.4 °C (0 to 80 °C) ±0.7 °F (32 to 176 °F)
Environment sensors			
Temperature	0.1 °C 0.1 °F	0 to 60 °C 32 to 140 °F	±0.5 °C (20 to 30 °C) ±0.9 °F (68 to 86 °F)
Relative humidity	0.1% RH	0 to 100%	±3% (20 to 80%)
Barometric pressure	0.1 hPa	500 to 1100 hPa	±3 hPa (0 to 60 °C)
Vibration	1 mG	0 to 2000 mG	±20%, static acceleration
Data capacity	Maximum 10,000 sets (including date and time)		
Power supply	Two LR6 (AA) batteries, RS-232C, or USB		
Battery life	Approx. 6 months (with measurement interval at 1 minute, alkaline batteries)		
Clock accuracy	Maximum ±1 minute/month		
Operating environment	0 to 60 °C/32 to 140 °F, 85% RH or less (no condensation)		
Dimensions (main unit)	127 (W) × 90 (H) × 36 (D) mm (including the protector)		
Weight (main unit)	Approx. 255 g (including batteries and the protector)		

Dedicated stand (sold separately)



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