

## LOG10 / LOG100 / LOG100 CRYO / LOG110

### Areas of application

The Log100 is perfectly designed for product transportation or storage applications.

- Quality surveillance in laboratories during production in storage areas
- Monitoring conditions in manufacturing facilities
- Maintaining product storage according to EN 12830 (Log100 only)
- Ambient conditions in power plants
- Monitoring of fridges for the pharmaceutical industry
- Deepfreezers (LOG100 CRYO)



**Example**

LOG 110 with connected external temperature probe (6040-0103)



**LOG110-EXF**

with external humidity probe (non switchable)

5005-0111

-30 °C...+70 °C

-200 °C...+250 °C

% rF

Pt1000

IP 65

60 KB memory

MAX-MIN-AVG

Hi-Lo Alarm

USB



Monitoring during transport



Monitoring in storages



Monitoring of blood banks



Monitoring of incubators



Aluminium block delays the response time of the probe



Monitoring of fridges



Software & USB-cable (5090-0110)



External temperature probe (6040-0103)



## LOG10 / LOG100 / LOG100 CRYO / LOG110

### Product features

- Large display for actual measurement and MAX/MIN/AVG indication
- External temperature probe input
- Battery status indication
- Easy to use Windows software
- Visual and acoustic Hi-Lo-Alarm
- Memory for up to 60,000 measurements at 3 parameters
- Adjustable logging interval from 1 second to 24 hours
- IP65 splash water protection (except LOG110)
- Easy to change battery
- High accuracy:  $\pm 0.5^{\circ}\text{C}$  /  $\pm 3\%$



**NEU / NEW**

5005-0001



5005-0100



**NEU / NEW**

5005-0105

LOG100 CRYO

for external Pt1000 probe  
(-200°C...+350°C)



5005-0110

### 5005-0001

20,000 measurements

LOG10 data logger,  
int. temperature probe -30°C...+60°C

### 5005-0100

2 x 60,000 measurements

LOG100 data logger,  
int. temperature probe -30°C...+70°C  
input for ext. temperature probe  
-50°C...+25°C

### 5005-0105

2 x 60,000 measurements

LOG100 CRYO data logger,  
int. temperature probe -10°C...+70°C  
input for ext. temperature probe  
-200°C...+350°C

### 5005-0110

3 x 60,000 measurements

LOG110 data logger, int. temperature  
and humidity probe -30°C...+70°C/  
0..99%rH, input for ext. temperature  
probe -50°C...+125°C

### 5005-0111

LOG110 EXF data logger with  
external humidity probe (2 m cable)

### 5990-0067

Spare battery, 3 Volt CR2032

-10 °C...+60 °C

-200 °C...+350 °C

% rF

Pt1000

IP 65

60 KB memory

MAX-MIN-AVG

Hi-Lo Alarm







USB

## Technical data

	<b>LOG10</b> 5005-0001	<b>LOG100</b> 5005-0100	<b>LOG100 CRYO</b> 5005-0105	<b>LOG110</b> 5005-0110
<b>int. temperature:</b>				
<b>Measuring range:</b>	-10°C ... +60°C	-30°C ... +70°C	-10°C ... +70°C	-30°C ... +70°C
<b>Resolution:</b>	0,1°C	0,1°C	0,1°C	0,1°C
<b>Accuracy:</b>	±0.5° -20°C ... +50°C	±0.5° -20°C ... +50°C	±0.3° -20°C ... +50°C	±0.5° -10°C ... +40°C
±1 digit	±0.7°C (remaining range)	±0.7°C (remaining range)	±0.7°C (remaining range)	±1.0°C (remaining range)
<b>ext. temperature:</b>				
<b>Measuring range:</b>	–	-50°C ... +125°C	-200°C ... +350°C	-50°C ... +125°C
<b>Resolution:</b>	–	0,1°C	0,1°C	0,1°C
<b>Accuracy:</b>	–	±0.5° -0°C ... +40°C	±0.5° -200°C ... +250°C*	±0.5° -0°C ... +40°C
±1 digit	–	±1.0°C (remaining range)	±1.0°C (remaining range)	±1.0°C (remaining range)
<b>int. relative humidity</b>				
<b>Measuring range:</b>	–	–	–	0...99%rH
<b>Resolution:</b>	–	–	–	0,1%rH
<b>Accuracy:</b>	–	–	–	±3%rH
<b>Memory capacity:</b>	approx. 20,000 measurements	approx. 60,000 measurements	approx. 60,000 measurements	approx. 60,000 measurements
<b>Interface:</b>	USB-Interface 2.0	USB-Interface 2.0	USB-Interface 2.0	USB-Interface 2.0
<b>Display:</b>	7 segment LCD (2-line)	7 segment LCD (2-line)	7 segment LCD (2-line)	7 segment LCD (2-line)
<b>IP-protection:</b>	IP65	IP65	IP65	–
<b>Working temperature:</b>	-10°C ... +70°C	-10°C ... +70°C	-10°C ... +70°C	-10°C ... +70°C
<b>Power supply:</b>	1 x CR2032 3 V	1 x CR2032 3 V	1 x CR2032 3 V	1 x CR2032 3 V
<b>Housing:</b>	plastic (ABS)	plastic (ABS)	plastic (ABS)	plastic (ABS)
<b>Dimensions (L x W x H):</b>	88 x 55 x 20 mm	88 x 55 x 20 mm	88 x 55 x 20 mm	88 x 55 x 20 mm
<b>Weight:</b>	95 g	95 g	95 g	95 g

\* plus probe inaccuracy

**LOG10 / LOG100 / LOG100 CRYO / LOG110**

<b>Beschreibung</b> <b>Description</b>	<b>Messbereich</b> <b>Measuring range</b>	<b>L1 x Ø mm</b>	<b>t90</b>	
<b>Externe Sensoren / External sensors</b>				
 External temperature probe for LOG 100 / LOG 110, 3 m cable	-50 °C ... +125 °C	40 x 3,0	15	<a href="#">6040-0103</a>
 External temperature probe for LOG 100 / LOG 110, 8 m cable	-50 °C ... +125 °C	40 x 3,0	15	<a href="#">6040-0108</a>
<b>Sensor Kl. B / Cl. B</b>				
 External temperature probe for LOG 100 CRYO, 3 m cable, silicone insulated	-50 °C ... +125 °C	40 x 3,0	15	<a href="#">6040-0113</a>
<b>Sensor Kl. B / Cl. B</b>				
 External temperature probe for LOG 100 CRYO, 3 m cable, PTFE insulated	-200 °C ... +250 °C	40 x 3,0	15	<a href="#">6040-0112</a>
<b>Software</b>				
 Windows Software DE-Graph für / for LOG 10 für / for LOG 100 / LOG 100 CRYO / LOG 110				<a href="#">5090-0001</a> <a href="#">5090-0110</a>
<b>Zubehör / Accessories</b>				
	Spare battery, 3 Volt CR2032			<a href="#">5990-0067</a>
	Spare USB-cable			<a href="#">5090-0100</a>
	Lockable wall mount for LOG 10 / LOG 100 / LOG 100 CRYO / LOG 110			<a href="#">5600-0089</a>
	Lockable wall mount with magnet for LOG 10 / LOG 100 / LOG 100 CRYO / LOG 110			<a href="#">5600-0093</a>
	Calibration certificate (3x humidity + 1x temperature) at 30/50/70%rH and 23°C			<a href="#">5600-0067</a>
	Calibration certificate (2x temperature) at -18°C and 2°C (2x temperature)			<a href="#">5600-0068</a>
	Temperature delay for external temperature probes, aluminium	60 x 25 x 25 mm		<a href="#">5600-0088</a>
<b>Sets / Sets</b>				
	Starter-Set LOG 10 (Data logger for temperature + Software+ USB-cable)			<a href="#">5005-1001</a>
	Starter-Set LOG 100 (Data logger for temperature + Software+ USB-cable)			<a href="#">5005-1100</a>
	Starter-Set LOG 100 CRYO (Data logger for temperature + Software+ USB-cable)			<a href="#">5005-1105</a>
	Starter-Set LOG 110 (Data logger for temperature and humidity + Software + USB-cable)			<a href="#">5005-1110</a>