



SEFRAM LOG

1511-PT, 1511-PT1, 1520-K,
1522-K, 1530-K1, 1550-K1, 1555

New Dataloggers dedicated to the most accurate applications

The SEFRAM LOG range is extended to seven new dataloggers which answer to the most accurate professional requirements.

Capabilities & qualities

Sefram 1511-PT Sefram 1511-PT1

• In order to guarantee the best accuracy, both models are equipped with a PT100 three wires input, for measurements from -50 °C to +150°C (model 1511-PT) and from -200°C to +850°C (model 1511-PT1).

Sefram 1522-K

• Dedicated to temperature control, this model provides two inputs temperature by "K" type thermocouple. It allows to record temperature deltas between two points.



TR1500 Software

100 % compatible with the whole SEFRAM LOG range.
Software update on simple phone call or directly on our web site.

Sefram 1520-K

• For all your applications dealing with temperature and climatic systems control. This model is equipped with external temperature input, for measurements from -50°C to +150°C.

Sefram 1530-K1

• Like model 1510-K1, this model is dedicated to very high temperature (+1200 °C). Furthermore, it is equipped with a DC voltage input to control every physical parameters (pressure, movements, ...).

Sefram 1550-K1

For applications in industrial process (temperature control), SEFRAM LOG1550-K1 is provided with 4 temperature inputs.

Sefram 1555

Records simultaneously 4 electrical parameters. SEFRAM LOG1555 provides 4 voltage inputs (0-25V). The optional accessory 915003121 -external current to voltage adaptor (4-20mA) - will allow you to monitor currents.

INNOVATION 2003
4 channels temperature
4 channels voltage



Warranty 3 years

CEI 1010
30 V CAT. I



A datasheet presenting the former eight SEFRAM LOG dataloggers is available on simple requirement.

SEFRAM LOG	1501	1510-K	1510-K1	1511-PT	1511-PT1	1520	1520-K	1522-K	1525	1530-K	1530-K1	1541	1545-K	1550-K1	1555
int.T with internal sensor	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Ext.T, "K" type probe	√	√				√			√	√		√			
Ext.T, 2 inputs, "K" probe								√						√(4 inputs)	
Humidity						√	√								
Tex PT100 probe				√	√										
Voltage input 0,25 V									√	√	√				√(4 inputs)
Current input 4-20 mA*									√	√	√				√(4 inputs)

* with accessory 915003120 and 915003121



SEFRAM 1511-PT, 1511-PT1, 1520-K, 1522-K, 1530-K1, 1550-K1, 1555

Mini-dataloggers

CARACTÉRISTIQUES TECHNIQUES	SEFRAM LOG 1511-PT	SEFRAM LOG 1511-PT1	SEFRAM LOG 1520-K	SEFRAM LOG 1522-K	SEFRAM LOG 1530-K1	SEFRAM LOG 1550-K1	SEFRAM LOG 1555
Internal Temperature	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C
Accuracy in int. T	± 1°C	± 1°C	± 1°C	± 1°C	± 1°C	± 1°C	± 1°C
External Temperature	-50 à +150 °C	-200 à +850°C	-50 à +150°C	-50 à +150°C	-100 à +1200°C	-100 à +1200°C	
Number of inputs in ext.t	1 (PT 100)	1 (PT 100)	1 (Type K)	2 (Type K)	1 (Type K)	4 (Type K)	
Accuracy in ext. T	± 0,3 °C	± 1,5 °C	± 0,5°C	± 0,5°C	± 2°C	± 1°C	
Resolution en int.T and ext.T	0,1°C	0,5°C	0,1°C	0,1°C	0,5°C	0,1°C	
Humidity	-	-	5% à 95% HR	-	-	-	
Accuracy in RH (23°C ±0,2°C)	-	-	± 3 %	-	-	-	
DC voltage	-	-	-	-	2,5V/10V/25V	-	2,5V/10V/25V
Accuracy in DC voltage	-	-	-	-	± 0,1 %	-	± 0,1 %
DC current	-	-	-	-	0-25 mA ⁽⁴⁾	-	0-25 mA ⁽⁵⁾
Accuracy in DC current	-	-	-	-	0,25 %	-	0,25 %
Memory capacity (measurements)	21600	21600	21600	43300	21600	43300	43300
Measurement period	500 ms to 1h	500 ms to 1h	2 s to 1h	500 ms to 1h	500 ms to 1h	500 ms to 1h	500 ms to 1h
Converter resolution	12 bits	12 bits	10 bits	12 bits	12 bits	12 bits	12 bits
Alarms ⁽¹⁾	2	2	2	2	2	2	2
Alarme output ⁽²⁾	1	1	1	1	1	-	
Sealing category	IP 32	IP 32	IP 32	IP 32	IP 32	IP 32	IP 32
Pollution category	2	2	2	2	2	2	2
Environmental category :							
To NF EN12.830	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
IEC 1010 safety	CAT I 30V	CAT I 30V	CAT I 30V	CAT I 30V	CAT I 30V	CAT I 30V	CAT I 30V
Battery life ⁽³⁾	2 years	2 years	2 years	2 years	2 years	2 years	2 years
Temp. of storage	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C	-40 à +85°C
Warranty	3 years	3 years	3 years	3 years	3 years	3 years	3 years
Dimensions	42 x 57 x 25 mm	42 x 57 x 25 mm	42 x 57 x 25 mm	42 x 57 x 25 mm	42 x 57 x 25 mm	42 x 57 x 25 mm	42 x 57 x 25 mm
Weight	52g	52g	52g	52g	52g	52g	52g

(1) Both alarms can be programed separately

(2) Open collector output

(3) With a 10 mn average measurement cycle

(4) Option with accessory 915003120

(5) Option with accessory 915003121

Accessories supplied with :

All the models :
 mounted lithium battery (915005200)
 mounted tightness joint (915005300)
 kit 5 magnets + 5 velcros (915005400)
 3 male jacks

SEFRAM LOG 1511-PT
 and 1511-PT1 :
 Connector with 3 wires screw bounding for PT100 cabling
 (SA 213)

SEFRAM LOG 1550-K1
 and 1555
 Connector with 5 wires screw bounding (SA215)

Change accessories

SA 213 - Connector with 3 wires screw bounding for PT100 cabling
 (SEFRAM LOG 1511-PT, 1511-PT1)

SA215 - Connector with 5 wires screw bounding (1550-K1, 1555)

915005200 - Lithium battery

915005300 - Tightness joint

915005400 - Mounting kit 5 magnets + 5 velcros

Accessories in option

SC 600 - Transport case

SI 683 - Application software on CD-ROM

SI 684 - Kit with : software + infrared transmitter-receiver + RS 232 cable

SI 685 - Kit with : RS 232 cable + infrared transmitter-receiver

SI 686 - Infrared transmitter-receiver

SI 687 - Start/Stop remote-control (all models)

SI 688 - RS 232 cable - DB9-F/DB9-M

SP 205 - Current transducer (1 VDC/10 AAC-25 A, Ø 15 mm)

SP 215 - Current transducer (1 VDC/100 AAC-250 A, Ø 50 mm)

ST 400 - "K" thread probe, general use, -40 to 204°C

ST 405 - PT 100 probe, -70 to +250 °C, 2 m (1511 PT, 1511-PT1)

ST 406 - « K » thread probe, general use, -40° to 204°C (for 1550-K1)

915003120 - 0-25 mA input adapter supplied with screw bounding
 mounted on DIN/OMEGA rail (SEFRAM LOG 1530-K1)

915003130 - Adapter with screw bounding mounted on DIN/OMEGA rail
 (SEFRAM LOG 1530-K1)

915003150 - Adapter femal K thermocouple socket / jack 2,5mm

915003151 - Banana jack adapter

915005100 - Plastic bag with 10 male jacks



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Specifications subject to change without notice - FT151100A/03

For assistance and ordering

Sefram
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