

Pendulum room temperature sensors with passive output

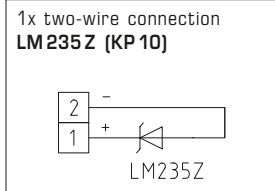
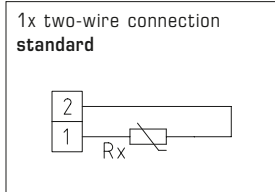
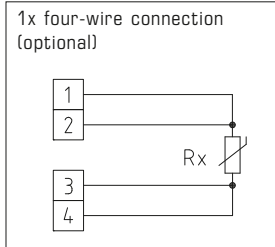
Resistance thermometer **THERMASGARD® RPTF 1** with passive output is specifically used for temperature detection in larger rooms and halls. Due to the measuring method employed by this pendulum room temperature sensor in combination with its positioning in the room, excellent and room-representative measuring results are achieved as ambient air of the room is steadily washing around the sensor.



RPTF 1

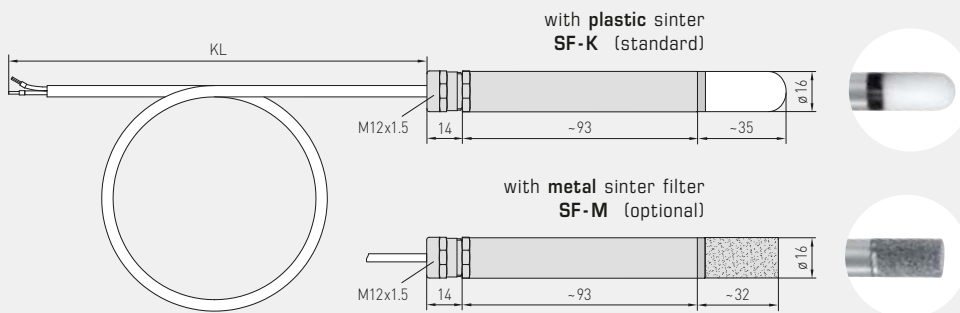
TECHNICAL DATA

Measuring range:	-5...+60 °C
Sensors / output:	see table, passive (optional also with two sensors)
Sensor protection:	plastic sinter filter, Ø 16 mm, L = 35 mm, exchangeable (optional metal sinter filter, Ø 16 mm, L = 32 mm)
Connection type:	2-wire connection (4-wire connection optional)
Testing current:	approx. 1 mA
Protective tube:	metal, Ø=16 mm, L=142 mm
Sensor cable:	PVC; 1.5 m, H03VV-F, 2 x 0.25 mm², ends stripped with wire end sleeves (other lengths optional: 3 m, 6 m)
Insulating resistance:	≥ 100 MΩ, at +20 °C (500 V DC)
Humidity:	< 95 % r. H.
Protection class:	III (according to EN 60 730)
Protection type:	IP 65 (according to EN 60 529)



Dimensional drawing

RPTF 1



THERMASGARD® RPTF 1 – Pendulum room temperature sensors (with metal sleeve)

Type / WG03	Sensor / Output	Item No.	Price
RPTF 1		IP 65	
RPTF1 PT100	Pt100 (according to DIN EN 60 751, class B)	1101-6060-1211-010	49,50 €
RPTF1 PT1000	Pt1000 (according to DIN EN 60 751, class B)	1101-6060-5211-010	52,09 €
RPTF1 Ni1000	Ni1000 (according to DIN EN 43 760, class B, TCR = 6180 ppm/K)	1101-6060-9211-010	51,22 €
RPTF1 Ni1000TK5000	Ni1000 TK5000 (TCR = 5000 ppm/K), LG-Ni1000	1101-6061-0211-010	54,44 €
RPTF1 LM235Z	LM235Z (TCR = 10 mV/K; 2.73 V at 0 °C), KP10	1101-6062-1211-110	49,62 €
RPTF1 NTC1,8K	NTC 1.8K	1101-6061-2211-010	54,23 €
RPTF1 NTC10K	NTC 10K	1101-6061-5211-010	54,23 €
RPTF1 NTC10K PRECON	NTC 10K Precon	1101-6061-9211-010	54,23 €
RPTF1 NTC20K	NTC 20K	1101-6061-6211-010	54,23 €
RPTF1 NTC30K	NTC 30K	1101-6061-7211-010	54,23 €
RPTF1 KTY81-210	KTY 81-210	1101-6062-0211-010	54,23 €
Accessories			
SF-M	Metal sinter filter, Ø 16 mm, L = 32 mm, exchangeable stainless steel (VA 1.4404)	7000-0050-2200-100	35,70 €
Extra charge:	2-wire connecting leads, per running meter (PVC) 4-wire connecting leads, per running meter (PVC)		on request on request
For special orders please specify:	Type, sensor type and cable length e.g. RPTF1 Pt100, 3 m; RPTF1 Pt1000, 4 m; RPTF1 KTY 81-210, 6 m		

