

**TECHNICAL DATA** 

Measuring range: Sensors/output:

Connection type:

Testing current:

Connection cable:

Insulating resistance:

Protection class:

Protection type:

Globe:

Humidity:

Resistance thermometer  $\textbf{THERM} \textbf{ASGARD}^{\texttt{®}}$  RPTF2 with passive output is specifically used

see table, passive (optional also with two sensors)

for temperature detection in larger rooms and halls, as dark radiation sensor for example. The pendulum room sensor RPTF-2 (globe thermometer) determines the effective portion of active radiation or also the effective radiant heat at the measured location. Due to the measuring method employed by this pendulum room temperature sensor in combination with its positioning in the room, an excellent and room-representative measuring result is achieved. The globe temperature is determined to take heat radiation into consideration

and to estimate the degree of thermal comfort (operative room temperature). The operative room temperature describes the coaction of heat radiation and heat convection (the ratio of globe temperature / air temperature is approx. 70% / 30%).

-5...+60°C

2-wire connection (4-wire connection optional) < 0.6 mA (Pt1000)

< 1.0 mA (Pt100)

< 2.0 mW (NTC xx)400  $\mu$ A...5 mA (LM235Z)

< 95% RH

< 0.3 mA (Ni1000, Ni1000 TK5000)

plastic, colour black, Ø = 50 mm

 $\geq$  100 M $\Omega$ , at +20 °C (500 V DC)

IP 65 (according to EN 60 529)

III (according to EN 60730)

PVC, H03VV-F, 2 x 0.5 mm<sup>2</sup>, ends stripped with wire end sleeves KL = approx. 1.5 m (other lengths optional)

## THERMASGARD® RPTF 2

Pendulum room temperature sensors with passive output Ę

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Dimensional drawing	RPTF 2	1x two- standar
B B M12x1.5 KL		2 1 1x two- LM 235 2 1

THERMASGARD® RPTF 2 Type / WGO3 Sensor/Output Item No. Price RPTF 2 IP 65 RPTF2 Pt100 PVC 1,5M Pt100 (according to DIN EN 60751, class B) 1101-6070-1211-010 63,01 € RPTF2 Pt1000 PVC 1,5M Pt1000 (according to DIN EN 60751, class B) 1101-6070-5211-010 66,28 € RPTF2 Ni1000 PVC 1,5M Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm/K) 1101-6070-9211-010 65,18 € RPTF2 NiTK PVC 1,5M Ni1000 TK5000 (TCR = 5000 ppm / K), LG - Ni1000 1101-6071-0211-010 69,26 € RPTF2 LM235Z PVC 1,5M LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10 1101-6072-1211-010 63,15 € RPTF2 NTC1,8K PVC 1,5M NTC 1.8 K 1101-6071-2211-010 69,00 € RPTF2 NTC10K PVC 1,5M NTC 10K 1101-6071-5211-010 69,00 € RPTF2 NTC20K PVC 1,5M NTC 20K 1101-6071-6211-010 69,00 € Extra charge:: 2-wire connecting leads, per running meter (PVC) on request 4-wire connecting leads, per running meter (PVC) on request For special orders Type, sensor type and cable length e.g. RPTF2 Pt100, 3m; RPTF2 Pt1000, 4m; RPTF2 KTY 81-210, 6m please specify:

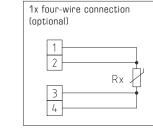
## Rev. 2025-V15 GB

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2 1 Rx

-wire connection

