

**Outside temperature sensors / wet room temperature sensors
with passive output**

Outside wall resistance thermometers / weather sensors **THERMASGARD® ATF 2** (external sensor) with passive output and enclosure made of impact-resistant plastic and with quick-locking screws.

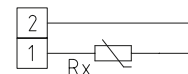
It is used to measure outside temperatures, temperatures in wet room areas, e.g. as a weather sensor, for installation on outside walls, in cold storage buildings and greenhouses, in halls, in the industrial sector and in agriculture. Outdoor installation should preferably be performed at the north side of a building or in a protected place.

In case of direct sun irradiation, the sunshade and ball game protection **WS01** (accessories) or the device variant with the installed sunshade **SS02** (available on request) must be used.

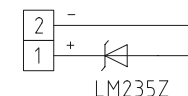
TECHNICAL DATA

Measuring range:	-50...+90 °C
Sensors / output:	passive (see table), sensor inside external sensor tube made of stainless steel, V4A (1.4571) (Perfect Sensor Protection)
Connection type:	2-wire connection (4-wire connection optional)
Testing current:	approx. 1 mA
Enclosure:	plastic, material polyamide, 30 % glass-globe-reinforced, with quick-locking screws (slotted / Phillips head combination), colour traffic white (similar to RAL 9016)
Enclosure dimensions:	72 x 64 x 37.8 mm (Tyr 1)
Cable gland:	M 16 x 1.5; including strain relief, exchangeable, max. inner diameter 10.4 mm
Electrical connection:	0.14 - 1.5 mm ² via terminal screws on circuit board
Insulating resistance:	≥ 100 MΩ, at +20 °C (500 V DC)
Permissible humidity:	< 95 % r. H., non-precipitating air
Protection class:	III (according to EN 60 730)
Protection type:	IP 65 (according to EN 60 529)
Optional:	with sunshade SS02 (available on request)

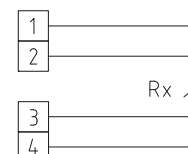
1x two-wire connection
standard



1x two-wire connection
LM235Z (KP 10)



1x four-wire connection
(optional)

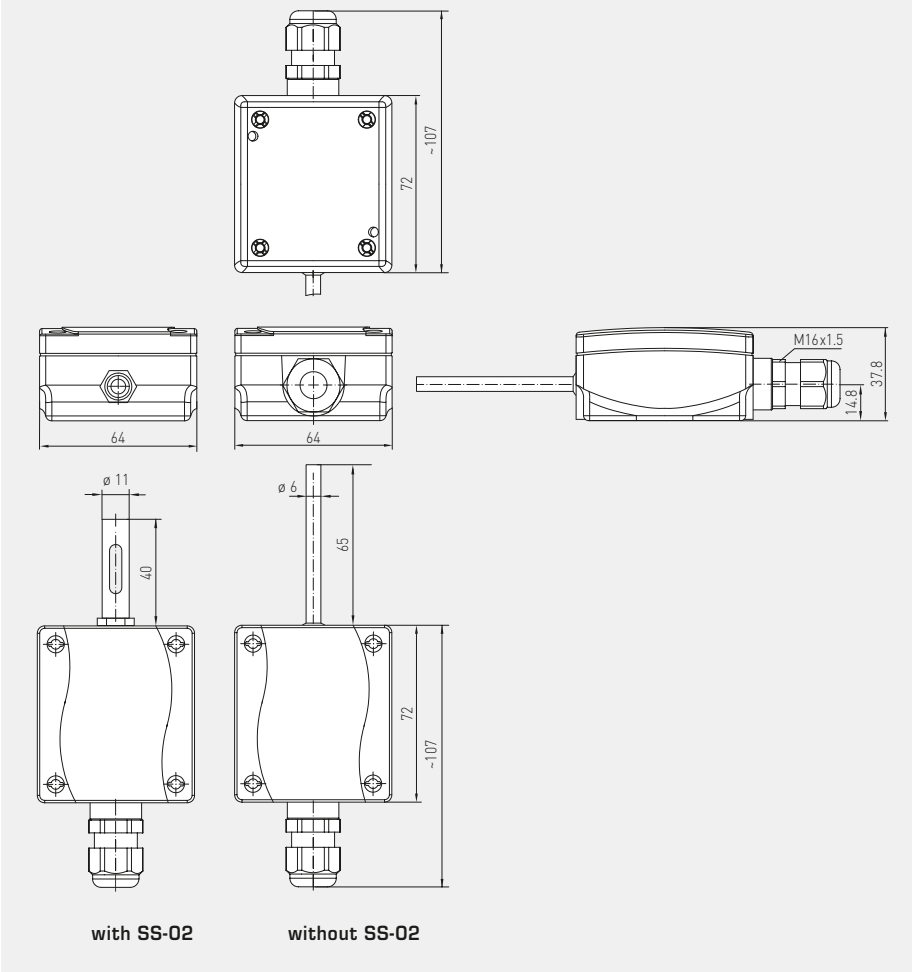


High-performance encapsulation against vibration, mechanical stress and humidity



Dimensional drawing

ATF 2



ATF 2



ATF 2
with SS-02

THERMASGARD® ATF 2 – Outside temperature sensors / wet room temperature sensors

Type / WG03	Sensor / Output	Item No.	Price
ATF 2	Pt, Ni, LM235Z	IP65	
ATF2 PT100	Pt100 (according to DIN EN 60 751, class B)	1101-1050-1003-000	29,85 €
ATF2 PT1000	Pt1000 (according to DIN EN 60 751, class B)	1101-1050-5001-000	29,85 €
ATF2 PT1000A	Pt1000 (according to VDI/VDE 3512, class A-TGA)	1101-1050-6003-000	40,36 €
ATF2 Ni1000	Ni1000 (according to DIN EN 43 760, class B, TCR = 6180 ppm/K)	1101-1050-9001-000	29,96 €
ATF2 Ni1000TK5000	Ni1000 TK5000 (TCR = 5000 ppm/K), LG-Ni1000	1101-1051-0001-000	31,46 €
ATF2 LM235Z	LM235Z (TCR = 10 mV/K; 2.73 V at 0 °C), KP10	1101-1052-1001-000	31,36 €
ATF 2	NTC	IP65	
ATF2 NTC1,8K	NTC 1.8K	1101-1051-2001-000	31,36 €
ATF2 NTC10K	NTC 10K	1101-1051-5001-000	31,36 €
ATF2 NTC20K	NTC 20K	1101-1051-6001-000	31,36 €
Extra charge:	Other sensors optional with sunshade SS 02	on request on request	8,21 €
Accessories			
WS-01	Sunshade and ball game protection, 184 x 180 x 80 mm, stainless steel	7100-0040-2000-000	26,80 €
WS-04	Sunshade and weather protection, 130 x 180 x 135 mm, stainless steel	7100-0040-7000-000	31,62 €

For further information see last chapter!