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

Outside wall resistance thermometer/weather sensor THERMASGARD® ATF01 with passive output, enclosure made of impact-resistant plastic with snap-on-lid for the detection of outside temperatures, temperatures in wet room areas, e.g. as outdoor sensor, weather sensor for installation on outside walls, in cold storage buildings and greenhouses, in halls, in the industrial sector and in agriculture. Installation in outdoor areas preferably at the north side of a building or in a protected place. In case of direct solar radiation, a sunshade protector SSO1 shall be used.

## TECHNICAL DATA:

Measuring range:	50+ 90 °C
Sensors/output:	see table, sensors internal, passive
Connection type:	2-wire connection
Testing current:	ca. 1 mA
Enclosure:	plastic, material polyamide, 30% glass-globe-reinforced, with snap-on lid, colour pure white (similar RAL9010)
Dimensions:	72x64x39.4mm
Cable gland:	M16, including strain relief
Electrical connection:	0.14 - 1.5 mm²
	via terminal screws on circuit board
Insulating resistance:	≥100MΩ, at 20°C (500V DC)
Humidity:	<95% r.H.
Protection class:	III (according to EN 60730)
Protection type:	IP 43 (according to EN 60529)



ATF 01





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## THERMASGARD® ATF 01 (internal sensor)

Sensor/Output
Pt100 (according to DIN EN 60751, class B)
Pt1000 (according to DIN EN 60751, class B)
Ni1000 (according to DIN EN 43760, class B, TCR = 6180 ppm/K)
Ni1000 TK5000 (TCR = 5000 ppm/K), LG-Ni1000
NTC 1.8 kOhm
KTY81-210, NTC10k, 20k, 30k, 50k, 10k Precon
LM235Z (TCR = 10 mV / K; 2.73 V at 0 °C), KP10
SS-01 Sunshade and ball game protection