

# **Sensor Datasheet**

# 22UT-14

### **Outside Temperature Sensor**

Active sensor (4...20 mA) for measuring temperature in outdoor areas, in cold stores, greenhouses, production plants and warehouses. NEMA 4X / IP65 rated enclosure.







	Туре	Output signal active temperature	Additional features			
	22UT-14	420 mA	External sensor			
Technical Data						
Electrical data	Power Supply DC		1524	1524 V, ±10%, 0.5 W		
	Electrical connection			Removable spring loaded terminal block max. 2.5 mm <sup>2</sup>		
	Cable entry			cable gland PG11 Ø610 mm, with strain relief Ø68 mm		
Functional data	Multirange		YES			
	Output signal	utput signal active note		Current outout: max. 500 $\Omega$ load		
	Media		Air			
Measuring data	Measured values Measuring range temperature		Tempe	erature		
			range Setting		actory etting	
			S0 S1 S2 S3 S4 S5 S6 S7	-5050 °C -30130 °F -10120 °C 0250 °F 050 °C 40140 °F 0250 °C 30480 °F -1535 °C 0100 °F 0100 °C 40240 °F -2080 °C 4090 °F 0160 °C 0150 °F	~	
	Accuracy temperature		±1% o	±1% of measuring range @ 21 °C		
Materials	Cable gland		PA6, v	vhite		
	Mounting plate		Lexan	Lexan, silvergray RAL7001		
	Housing		Botton	Cover: Lexan, white Bottom: Lexan, white Seal: 0467 NBR70, black		
Safety data	Ambient humi	idity	85% r.	85% r.h., non-condensing		
	Ambient Temperature		-355	-3550 °C [-30122 °F]		
	Housing surface temperature		Max. 7	Max. 70 °C [160 °F]		
	Protection class IEC/EN		III Safe	III Safety Extra-Low Voltage (SELV)		
	Protection cla	ss UL	UL Cla	UL Class 2 Supply CE Marking		
	EU Conformit	у	CE Ma			
	Certification IEC/EN		IEC/EI	IEC/EN 60730-1 and IEC/EN 60730-2-9		
	Certification L	JL	pendir	pending IP65		
	Degree of pro	tection IEC/EN	IP65			
	Degree of pro	tection NEMA/UL	NEMA	NEMA 4X		
	Quality Stand	ard	ISO 9001			
	Weight		0.11 k	g		



# Safety notes





The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

Please comply with

· Local laws, health & safety regulations, technical standards and regulations

- · Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

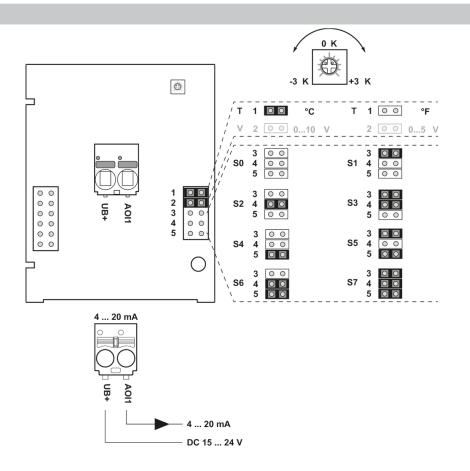
#### Accessories

## Scope of delivery

Dowel Screws

Mounting plate

### Wiring diagram



The adjustment of the measuring ranges is made by changing the bonding jumpers. The output value in the new measuring range is available after 2 seconds.

range [°C]	range [°F]	Factory setting
-5050 °C	-30130 °F	~
-10120 °C	0250 °F	
050 °C	40140 °F	
0250 °C	30480 °F	
-1535 °C	0100 °F	
0100 °C	40240 °F	
-2080 °C	4090 °F	
0160 °C	0150 °F	
	-5050 °C -10120 °C 050 °C 0250 °C -1535 °C 0100 °C -2080 °C	-5050 °C -30130 °F -10120 °C 0250 °F 050 °C 40140 °F 0250 °C 30480 °F -1535 °C 0100 °F 0100 °C 40240 °F -2080 °C 4090 °F





Dimensions

