

Climate Sensor KS-110 (0 - 10 V)

Description

KS110

Operating voltage:	12...27 V DC
Measuring range humidity:	0...100 % rel. humidity.
• accuracy:	±3,5 % (20...80 % r.h.)
optional:	±2 % (10...90 % r.h.)
• response time:	4 sec
• output:	0...10 V
• measuring element	capacitiv
• dewing strength	
Measuring range temperature:	-40...+80 °C
• accuracy:	±0,5 K @ 25 °C
• response time:	20 sec
• output:	0...10 V
• measuring element	semiconductor
Dimensions:	
• L x W x H:	65 x 31 x 22 mm
• cable length:	2 m
Other:	
• load resistance	20 k
• current consumption	ca. 0,8 mA
Optional interfaces:	
• dew point temperature	0...10 Volt
• TTL	serial
• CAN-BUS	
• humidity switcher	
• temperature switcher	
Operating condition:	
• ambient operating temperat.	-40 bis +80 °C
• protection level	
- sensor	IP 30
- electronic	IP 65
• EMV and ESD checked:	EN 50082-1 EN 50082-2
• for the measuring least air speed needed number of RC crossways to the sensor	0,3 m/s



Application

This climate sensor enable the measuring of the humidity and temperature in in-door- and out-door-area under defined operating condition

- archiv monitoring
- data logger
- swimming pools
- weather stations

Connection colours:

red:	Plus operating voltage
blue:	Minus operating voltage
green:	temperature-OUTPUT
yellow:	humidity-OUTPUT

We reserve the right for technical modifications