



TG-K3...

Duct sensor

Sensor with NTC-element for measuring air temperature in ventilation ducts.

TG-K3... is intended for use with the Aqualine, PULSER, TM, TTC and Floorigo ranges. The sensor has adjustable insertion length and is delivered with 1.5 m cable.

Temperature resistance table

-30...+30°C	-20...+10°C	0...30°C	0...60°C	20...50°C	40...70°C	Resistance (kOhm)	Voltage (V)	0...40°C	Resistance (kOhm)
-30	-20	0	0	20	40	15.00	6.000	0	15.000
		1				14.83	5.933	1	14.875
		2				14.67	5.867	2	14.750
		3				14.50	5.800	3	14.625
		4				14.33	5.733	4	14.500
-20	-15	5	10	25	45	14.17	5.667	5	14.375
		6				14.00	5.600	6	14.250
		7				13.83	5.533	7	14.125
		8				13.67	5.467	8	14.000
		9				13.50	5.400	9	13.875
-10	-10	10	20	30	50	13.33	5.333	10	13.750
		11				13.17	5.267	11	13.625
		12				13.00	5.200	12	13.500
		13				12.83	5.133	13	13.375
		14				12.67	5.067	14	13.250
0	-5	15	30	35	55	12.50	5.000	15	13.125
		16				12.33	4.933	16	13.000
		17				12.17	4.867	17	12.875
		18				12.00	4.800	18	12.750
		19				11.83	4.733	19	12.625
10	0	20	40	40	60	11.67	4.667	20	12.500
		21				11.50	4.600	21	12.375
		22				11.33	4.533	22	12.250
		23				11.17	4.467	23	12.125
		24				11.00	4.400	24	12.000
20	5	25	50	45	65	10.83	4.333	25	11.875
		26				10.67	4.267	26	11.750
		27				10.50	4.200	27	11.625
		28				10.33	4.133	28	11.500
		29				10.17	4.067	29	11.375
30	10	30	60	50	70	10.00	4.000	30	11.250
								31	11.125
								32	11.000
								33	10.875
								34	10.750
								35	10.625
								36	10.500
								37	10.375
								38	10.250
								39	10.125
								40	10.000

Resistance measurements can only be made when the sensor is not connected to a controller.

Voltage measurements are made on the sensor input when the sensor is connected to a controller. This value is valid for controllers AQUA24A1(2,3)(F)/D and AQUA24(230)TF/D.

Models

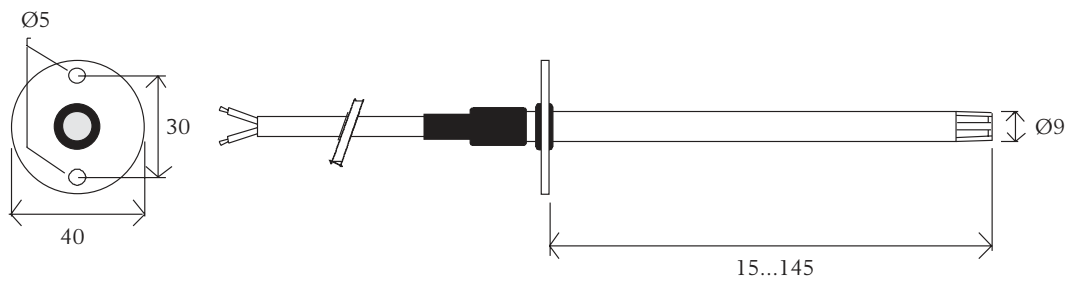
Model	Temperature range
TG-K300	-30...+30°C
TG-K310	-20...+10°C
TG-K330	0...30°C
TG-K340*	0...40°C
TG-K350	20...50°C
TG-K360	0...60°C
TG-K370	40...70°C

*For thermostats in the Floorigo range.

Technical data

Time constant	38 s
Insertion length	15...145 mm, adjustable
Cable length	1.5 m
Protection class	IP20
Sensor element	Linearised NTC sensor. Accuracy better than +/- 1°C.

Dimensions (mm)



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