



Models

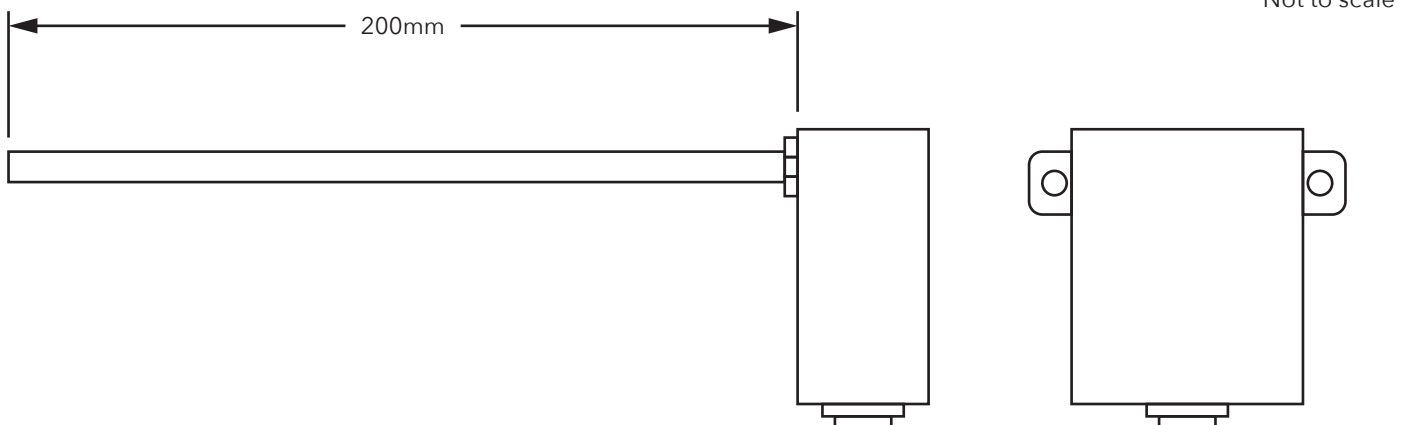
TP2501/TP2001

DUCT TEMPERATURE PROBE

DESCRIPTION

The TP2501 and TP2001 Temperature Probe is designed to be installed in air conditioning ductwork or in pipework with the WEL101 Thermowell. The standard entry in the terminal box simplifies the electrical installation.

DIMENSIONS



TECHNICAL DATA

TP2501	10,000 ohms @ 25°C
TP2001	2000 ohms @ 25°C

Sensor Accuracy +/- 0.3°C over 0-70°C

Maximum connection cable 1000 m with 1.0mm² Cu

Use shielded cable if run with power cables. Maximum connection length reduced to 250m.

TEMPERATURE RESISTANCE TABLES

TP2501			TP2001			TP2001			TP2001		
Deg	Ohms	Deg	Ohms	Deg	Ohms	Deg	Ohms	Deg	Ohms	Deg	Ohms
-10°C	53,300.0	27°C	9,167.0	64°C	2,157.0	-10°C	7.761	27°C	1.866	64°C	0.5877
-9°C	52,400.0	28°C	8,777.0	65°C	2,083.0	-9°C	7.433	28°C	1.803	65°C	0.5714
-8°C	49,650.0	29°C	8,407.0	66°C	2,011.0	-8°C	7.122	29°C	1.742	66°C	0.5556
-7°C	47,060.0	30°C	8,057.0	67°C	1,942.0	-7°C	6.825	30°C	1.684	67°C	0.5404
-6°C	44,620.0	31°C	7,723.0	68°C	1,876.0	-6°C	6.543	31°C	1.628	68°C	0.5256
-5°C	42,330.0	32°C	7,403.0	69°C	1,813.0	-5°C	6.275	32°C	1.574	69°C	0.5114
-4°C	40,160.0	33°C	7,097.0	70°C	1,752.0	-4°C	6.020	33°C	1.522	70°C	0.4976
-3°C	38,110.0	34°C	6,807.0	71°C	1,693.0	-3°C	5.777	34°C	1.472	71°C	0.4841
-2°C	36,190.0	35°C	6,530.0	72°C	1,636.0	-2°C	5.545	35°C	1.424	72°C	0.4711
-1°C	34,370.0	36°C	6,267.0	73°C	1,582.0	-1°C	5.324	36°C	1.378	73°C	0.4585
0°C	32,650.0	37°C	6,017.0	74°C	1,530.0	0°C	5.113	37°C	1.334	74°C	0.4463
1°C	31,030.0	38°C	5,777.0	75°C	1,479.0	1°C	4.910	38°C	1.291	75°C	0.4345
2°C	29,500.0	39°C	5,547.0	76°C	1,431.0	2°C	4.717	39°C	1.250	76°C	0.4230
3°C	28,050.0	40°C	5,327.0	77°C	1,384.0	3°C	4.532	40°C	1.211	77°C	0.4120
4°C	26,690.0	41°C	5,117.0	78°C	1,340.0	4°C	4.356	41°C	1.173	78°C	0.4012
5°C	25,390.0	42°C	4,917.0	79°C	1,297.0	5°C	4.187	42°C	1.136	79°C	0.3909
6°C	24,170.0	43°C	4,727.0	80°C	1,255.0	6°C	4.027	43°C	1.100	80°C	0.3808
7°C	23,010.0	44°C	4,543.0	81°C	1,215.0	7°C	3.874	44°C	1.066	81°C	0.3710
8°C	21,920.0	45°C	4,370.0	82°C	1,177.0	8°C	3.727	45°C	1.033	82°C	0.3615
9°C	20,880.0	46°C	4,200.0	83°C	1,140.0	9°C	3.587	46°C	1.001	83°C	0.3523
10°C	19,900.0	47°C	4,040.0	84°C	1,104.0	10°C	3.454	47°C	0.9708	84°C	0.3434
11°C	18,970.0	48°C	3,890.0	85°C	1,070.0	11°C	3.324	48°C	0.9413	85°C	0.3347
12°C	18,090.0	49°C	3,743.0	86°C	1,036.0	12°C	3.201	49°C	0.9130	86°C	0.3263
13°C	17,250.0	50°C	3,603.0	87°C	1,004.0	13°C	3.083	50°C	0.8856	87°C	0.3181
14°C	16,460.0	51°C	3,467.0	88°C	973.7	14°C	2.970	51°C	0.8591	88°C	0.3102
15°C	15,710.0	52°C	3,340.0	89°C	944.0	15°C	2.862	52°C	0.8335	89°C	0.3025
16°C	15,000.0	53°C	3,217.0	90°C	915.3	16°C	2.759	53°C	0.8089	90°C	0.2950
17°C	14,320.0	54°C	3,099.0	91°C	887.7	17°C	2.660	54°C	0.7851	91°C	0.2877
18°C	13,680.0	55°C	2,986.0	92°C	861.0	18°C	2.565	55°C	0.7622	92°C	0.2807
19°C	13,070.0	56°C	2,878.0	93°C	835.3	19°C	2.474	56°C	0.7400	93°C	0.2739
20°C	12,490.0	57°C	2,774.0	94°C	810.3	20°C	2.387	57°C	0.7187	94°C	0.2672
21°C	11,940.0	58°C	2,675.0	95°C	786.7	21°C	2.303	58°C	0.6980	95°C	0.2608
22°C	11,420.0	59°C	2,579.0	96°C	763.3	22°C	2.222	59°C	0.6781	96°C	0.2545
23°C	10,920.0	60°C	2,488.0	97°C	741.0	23°C	2.145	60°C	0.6589	97°C	0.2485
24°C	10,450.0	61°C	2,400.0	98°C	719.3	24°C	2.071	61°C	0.6402	98°C	0.2426
25°C	10,000.0	62°C	2,316.0	99°C	698.7	25°C	2.000	62°C	0.6221	99°C	0.2369
26°C	9,573.0	63°C	2,235.0	100°C	678.3	26°C	1.932	63°C	0.6046	100°C	0.2313