



Handling a complex world.

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Kennlinie-Tabellen

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Pressure sensors

2 bar
3 bar
5 bar
10 bar
16 bar
25 bar

Pressure Sensors

Characteristic Curve Tables

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Pressure Sensors

Kennlinie-Tabelle I

Characteristic Curve Table I

2 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
0,5	48	55	62
1	92	100	108
1,5	136	144	152
1,8	158	168	188
2	172	184	209

Polynomberechnung / Polynom computation

0,0	5	10	13
0,2	22	28	34
0,4	39	47	53
0,6	57	65	71
1,0	93	100	107
1,5	135	143	154
2,0	172	184	210

+ Toleranz / Tolerance: $y = 9,1248x^3 - 23,044x^2 + 108,02x + 12,949$

Kennlinie / Characteristic curve: $y = - 3,1515x^2 + 93,686x + 9,6307$

– Toleranz / Tolerance: $y = - 5,7356x^3 + 13,15x^2 + 80,069x + 5,0745$

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Kennlinie-Tabelle II

Characteristic Curve Table II

3 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
0,5	35	39	43
1	65	69	73
1,5	94	99	104
2	124	129	134
3	154	184	214

Polynomberechnung / Polynom computation

0,0	5	10	13
0,2	16	21	25
0,4	28	33	38
0,6	40	45	50
1,0	65	69	73
1,5	96	99	103
2,0	123	129	135
2,5	143	157	171
3,0	154	184	214

+ Toleranz / Tolerance: $y = 2,6087x^3 - 7,0725x^2 + 64,795x + 12,715$

Kennlinie / Characteristic curve: $y = - 0,9855x^3 + 3,4824x^2 + 56,42x + 10,018$

– Toleranz / Tolerance: $y = - 4,058x^3 + 11,213x^2 + 52,462x + 5,4296$

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Kennlinie-Tabelle III

Characteristic Curve Table III

5 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
1	44	48	52
2	78	82	86
3	111	116	121
5	154	184	214

Polynomberechnung / Polynom computation

0,0	5	11	13
0,5	24	29	33
1,0	43	47	52
1,5	62	65	69
2,0	79	82	86
2,5	95	100	103
3,0	111	117	121
3,5	124	134	140
4,0	136	151	162
4,5	146	167	186
5,0	154	184	214

+ Toleranz / Tolerance: $y = 0,8931x^3 - 5,0337x^2 + 43,038x + 13,022$

Kennlinie / Characteristic curve: $y = - 0,3682x^2 + 36,465x + 10,648$

- Toleranz / Tolerance: $y = - 0,2956x^3 - 0,3032x^2 + 38,677x + 5,1941$

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Kennlinie-Tabelle IV

Characteristic Curve Table IV

10 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
2	48	52	56
6	119	124	129
10	154	184	214

Polynomberechnung / Polynom computation

0,0	5	10	13
0,5	16	21	25
1,0	27	31	35
1,5	38	42	46
2,0	48	52	56
3,0	68	71	75
4,0	87	90	93
5,0	104	107	111
6,0	119	124	129
7,0	132	140	148
8,0	142	156	168
8,5	146	163	179
9,0	150	170	190
10,0	154	184	214

+ Toleranz / Tolerance: $y = 0,0917x^3 - 1,275x^2 + 23,683x + 13$

Kennlinie / Characteristic curve: $y = - 0,4108x^2 + 21,475x + 10,241$

– Toleranz / Tolerance: $y = - 0,05x^3 - 0,225x^2 + 22,15x + 5$

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Pressure Sensors

Kennlinie-Tabelle V

Characteristic Curve Table V

16 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
4	58	62	66
8	103	108	113
12	143	148	153
16	154	184	214

Polynomberechnung / Polynom computation

0	5	10	13
1	18	24	26
2	31	37	39
3	43	49	53
4	56	62	66
5	69	74	79
6	82	85	91
7	94	97	102
8	105	108	113
8,5	111	113	118
9	116	119	123
10	126	129	133
11	134	139	142
12	142	149	153
16	155	184	213

+ Toleranz / Tolerance: $y = 0,0047x^4 - 0,1159x^3 + 0,6745x^2 + 12,104x + 13$

Kennlinie / Characteristic curve: $y = - 0,1696x^2 + 13,564x + 10,171$

- Toleranz / Tolerance: $y = - 0,0273x^3 + 0,2589x^2 + 12,17x + 5,3857$

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Kennlinie-Tabelle VI

Characteristic Curve Table VI

25 bar

Kennlinie / Characteristic curve

p/bar	R-/Ohm	R/Ohm	R+/Ohm
0	5	10	13
5	49	53	57
10	87	92	97
15	120	125	130
25	154	184	214

Polynomberechnung / Polynom computation

0	5	10	13
1	14	19	23
2	23	28	32
5	49	53	58
6	57	61	66
8	73	77	81
10	88	91	96
12	101	105	110
14	114	119	124
16	125	132	138
18	134	144	153
20	142	156	168
21	146	162	177
22	148	167	185
25	153	184	214

+ Toleranz / Tolerance: $y = 0,0069x^3 - 0,2578x^2 + 10,178x + 12,725$

Kennlinie / Characteristic curve: $y = 0,0014x^3 - 0,1286x^2 + 9,3054x + 9,8976$

- Toleranz / Tolerance: $y = - 0,0032x^3 - 0,0421x^2 + 8,9818x + 5,1132$