THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Product Spotlight

"MA100" Series for Healthcare

Features

- 400 Series Compatible
- Standard Curves Available
- Interchangeability/accuracy from ± 0.05°C to 0.15°C
- Small Size → Fast Response
- 0 to 50°C operating range
- Fully Electrically Insulated

Applications

- Esophageal Stethoscope (EST) Sensors
- Skin Sensors
- Disposable Cordset Sensors
- Urinary Foley Catheters
- Neonatal Incubator Sensors



Resistance vs. Temperature

Temp (°C)	Rt/R25	Temp (°C)	Rt/R25	Temp (°C)	Rt/R25
0	3.274	17	1.433	34	0.5807
1	3.111	18	1.359	35	0.6530
2	2.957	19	1.308	36	0.6266
3	2.812	20	1.250	37	0.6014
4	2.674	21	1.195	38	0.5774
5	2.544	22	1.142	39	0.5545
6	2.421	23	1.092	40	0.5326
7	2.306	24	1.045	41	0.5116
8	2.195	25	1.000	42	0.4916
9	2.091	26	0.9572	43	0.4725
10	1.992	27	0.9164	44	0.4543
11	1.599	28	0.8776	45	0.4969
12	1.811	29	0.8407	46	0.4202
13	1.727	30	0.8056	47	0.4042
14	1.648	31	0.7720	48	0.3889
15	1.572	32	0.7401	49	0.3743
16	1.502	33	0.7097	50	0.3604

SKU	Description	Res. @ 25°C	Tol. @ 37°C	OD	Lead Len.	Lead Type	RoHS
508549	MA100BF232XN	2252 ohm	±0.10°C	0.030"	24"	#38 AWG Ni	Y
504439	MA100BF103A	10K ohm	±0.05°C	0.030"	24"	#38 AWG Ni	N
508576	MA100BF103AN	10K ohm	±0.05°C	0.030"	24"	#38 AWG Ni	Y
504442	MA100BF103B	10K ohm	±0.10°C	0.030"	24"	#38 AWG Ni	N
508577	MA100BF103BN	10K ohm	±0.10°C	0.030"	24"	#38 AWG Ni	Y
504445	MA100BF103C	10K ohm	±0.15°C	0.030"	24"	#38 AWG Ni	N
508578	MA100BF103CN	10K ohm	±0.15°C	0.030"	24"	#38 AWG Ni	Y
504466	MA100GG232C	2252 ohm	±0.15°C	0.080"	37"	#28 AWG SPC	N
508650	MA100GG232CN	2252 ohm	±0.15°C	0.080"	37"	#28 AWG SPC	Y
504460	MA100GG103A	10K ohm	±0.05°C	0.080"	37"	#28 AWG SPC	N
508126	MA100GG103AN	10K ohm	±0.05°C	0.080"	37"	#28 AWG SPC	Y
504461	MA100GG103B	10K ohm	±0.10°C	0.080"	37"	#28 AWG SPC	N
508128	MA100GG103BN	10K ohm	±0.10°C	0.080"	37"	#28 AWG SPC	Y
504465	MA100GG103C	10K ohm	±0.15°C	0.080"	37"	#28 AWG SPC	N
508130	MA100GG103CN	10K ohm	±0.15°C	0.080"	37"	#28 AWG SPC	Y

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