

Test of HP skin temperature sensor against Viamed skin temperature sensor.

Carried out 26-6-01 by SW.

Method : Both probe transducers attached to the side of a glass vessel using the self adhesive reflector. Water temperature monitored using thermocouple probe of Fluke 80TK / Fluke 867 placed in the vessel. Cooling water temperature recorded with respective resistance of each temperature probe in k ohms. Water stirred constantly.

Probe details.

Viamed neonatal surface temperature probe. part no. 37804, ser. no. AI50280781.

Hewlett Packard skin temperature probe, part no. HP 21091A, lot no. 99K0244.

Recordings taken in the range of 15 - 40°C.

Temp (°C)	HP (k ohms)	Viamed (k ohms)
15	3.26	3.69
16	3.11	3.45
17	3.02	3.24
18	2.88	3.08
19	2.79	3.00
20	2.74	2.98
21	2.65	2.86
22	2.57	2.75
23	2.48	2.64
24	2.41	2.55
25	2.33	2.45
26	2.26	2.37
27	2.19	2.30
28	2.13	2.21
29	2.05	2.10
30	1.99	1.99
31	1.93	1.91
32	1.86	1.82
33	1.81	1.76
34	1.76	1.70
35	1.70	1.63
36	1.64	1.57
37	1.60	1.52
38	1.56	1.46
39	1.51	1.40
40	1.47	1.36

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Temp (°C)
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