

Conseils Pratiques

Valeurs de mesure des sondes

Type de sondes	ϑ (°C)	R (Ω)	ϑ (°C)	R (Ω)	ϑ (°C)	R (Ω)	ϑ (°C)	R (Ω)	ϑ (°C)	R (Ω)	ϑ (°C)	R (Ω)
Sondes nickel (LS-Ni1000)												
QAA24...27	-30	871.694	2	1008.875	34	1156.716	66	1316.317	98	1488.774	130	1675.187
QAA35	-29	875.830	3	1013.328	35	1161.520	67	1321.506	99	1494.383	131	1681.249
QAA64	-28	879.976	4	1017.791	36	1166.335	68	1326.707	100	1500.005	132	1687.326
QAC22	-27	884.131	5	1022.265	37	1171.162	69	1331.922	101	1505.641	133	1693.418
QAD22...	-26	888.296	6	1026.749	38	1176.001	70	1337.148	102	1511.290	134	1699.525
QAE22...	-25	892.470	7	1031.244	39	1180.851	71	1342.388	103	1516.954	135	1705.646
QAM22...	-24	896.654	8	1035.750	40	1185.713	72	1347.640	104	1522.631	136	1711.782
QAP22...	-23	900.847	9	1040.266	41	1190.586	73	1352.905	105	1528.322	137	1717.933
	-22	905.050	10	1044.793	42	1195.471	74	1358.183	106	1534.026	138	1724.099
	-21	909.262	11	1049.330	43	1200.368	75	1363.474	107	1539.745	139	1730.280
	-20	913.464	12	1053.878	44	1205.277	76	1368.777	108	1545.478	140	1736.476
	-19	917.716	13	1058.437	45	1210.197	77	1374.094	109	1551.224	141	1742.688
	-18	921.957	14	1063.007	46	1215.130	78	1379.423	110	1556.985	142	1748.914
	-17	926.208	15	1067.588	47	1220.074	79	1384.765	111	1562.759	143	1755.155
	-16	930.469	16	1072.179	48	1225.030	80	1390.120	112	1568.548	144	1761.411
	-15	934.740	17	1076.781	49	1229.998	81	1395.489	113	1574.351	145	1767.683
	-14	939.020	18	1081.394	50	1234.978	82	1400.870	114	1580.168	146	1773.970
	-13	943.311	19	1086.018	51	1239.970	83	1406.264	114	1585.999	147	1780.272
	-12	947.611	20	1090.653	52	1244.974	84	1411.672	116	1591.844	148	1786.589
	-11	951.921	21	1095.300	53	1249.991	85	1417.093	117	1597.704	149	1792.921
	-10	956.242	22	1099.957	54	1255.019	86	1422.526	118	1603.577	150	1799.269
	-9	960.572	23	1104.625	55	1260.060	87	1427.974	119	1609.465	151	1805.633
	-8	964.912	24	1109.304	56	1265.112	88	1433.434	120	1615.368	152	1812.011
	-7	969.263	25	1113.995	57	1271.177	89	1438.908	121	1621.284	153	1818.405
	-6	973.623	26	1118.696	58	1275.254	90	1444.395	122	1627.216	154	1824.815
	-5	977.994	27	1123.409	59	1280.344	91	1449.895	123	1633.161	155	1831.240
	-4	982.374	28	1128.133	60	1285.446	92	1455.409	124	1639.121	156	1837.681
	-3	986.765	29	1132.869	61	1290.560	93	1460.956	125	1645.096	157	1844.137
	-2	991.167	30	1137.616	62	1295.686	94	1466.477	126	1651.085	158	1850.609
	-1	995.578	31	1142.374	63	1300.825	95	1472.031	127	1657.088	159	1857.096
	0	1000.000	32	1147.143	64	1305.977	96	1477.598	128	1663.107	160	1863.599
	1	1004.432	33	1151.924	65	1311.140	97	1483.180	129	1669.140		
Sondes CTN												
QAC32	-35	672.10	-23	660.99	-11	644.07	1	621.08	13	593.32	25	563.50
	-34	671.37	-22	659.82	-10	642.38	2	618.92	14	590.87	26	561.02
	-33	670.61	-21	658.60	-9	640.65	3	616.73	15	588.41	27	558.55
	-32	669.81	-20	657.34	-8	638.87	4	614.50	16	585.94	28	556.09
	-31	668.98	-19	656.04	-7	637.05	5	612.24	17	583.45	29	553.64
	-30	668.11	-18	654.69	-6	635.19	6	609.96	18	580.97	30	551.21
	-29	667.21	-17	653.31	-5	633.29	7	607.65	19	578.47	31	548.79
	-28	666.27	-16	651.88	-4	631.35	8	605.32	20	575.00	32	546.39
	-27	665.29	-15	650.40	-3	629.37	9	602.96	21	573.47	33	544.01
	-26	664.27	-14	648.89	-2	627.36	10	600.58	22	570.98	34	541.64
	-25	663.22	-13	647.33	-1	625.30	11	598.18	23	568.48	35	539.30
	-24	662.13	-12	645.72	0	623.21	12	595.76	24	565.99		

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Valeurs de mesure des sondes

Elément de mesure T1											
Tableau des résistances et des tensions											
t [°C]	R _F [Ohm]	U _F [V]	t [°C]	R _F [Ohm]	U _F [V]	t [°C]	R _F [Ohm]	U _F [V]	t [°C]	R _F [Ohm]	U _F [V]
-30	1934	2.431	10	2326	2.831	50	2745	3.231	90	3194	3.631
-29	1944	2.441	11	2337	2.841	51	2756	3.241	91	3206	3.641
-28	1953	2.451	12	2347	2.851	52	2767	3.251	92	3217	3.651
-27	1963	2.461	13	2357	2.861	53	2778	3.261	93	3229	3.661
-26	1972	2.471	14	2367	2.871	54	2789	3.271	94	3240	3.671
-25	1982	2.481	15	2377	2.881	55	2800	3.281	95	3252	3.681
-24	1991	2.491	16	2388	2.891	56	2811	3.291	96	3264	3.691
-23	2001	2.501	17	2398	2.901	57	2822	3.301	97	3276	3.701
-22	2011	2.511	18	2408	2.911	58	2833	3.311	98	3287	3.711
-21	2020	2.521	19	2418	2.921	59	2844	3.321	99	3299	3.721
-20	2030	2.531	20	2429	2.931	60	2855	3.331	100	3311	3.731
-19	2040	2.541	21	2439	2.941	61	2866	3.341	101	3323	3.741
-18	2049	2.551	22	2449	2.951	62	2877	3.351	102	3335	3.751
-17	2059	2.561	23	2460	2.961	63	2888	3.361	103	3347	3.761
-16	2069	2.571	24	2470	2.971	64	2899	3.371	104	3358	3.771
-15	2078	2.581	25	2480	2.981	65	2910	3.381	105	3370	3.781
-14	2088	2.591	26	2491	2.991	66	2921	3.391	106	3382	3.791
-13	2098	2.601	27	2501	3.001	67	2932	3.401	107	3394	3.801
-12	2108	2.611	28	2512	3.011	68	2943	3.411	108	3406	3.811
-11	2117	2.621	29	2522	3.021	69	2955	3.421	109	3418	3.821
-10	2127	2.631	30	2532	3.031	70	2966	3.431	110	3430	3.831
-9	2137	2.641	31	2543	3.041	71	2977	3.441	111	3442	3.841
-8	2147	2.651	32	2553	3.051	72	2988	3.451	112	3454	3.851
-7	2157	2.661	33	2564	3.061	73	3000	3.461	113	3466	3.861
-6	2166	2.671	34	2574	3.071	74	3011	3.471	114	3478	3.871
-5	2176	2.681	35	2585	3.081	75	3022	3.481	115	3491	3.881
-4	2186	2.691	36	2596	3.091	76	3033	3.491	116	3503	3.891
-3	2196	2.701	37	2606	3.101	77	3045	3.501	117	3515	3.901
-2	2206	2.711	38	2617	3.111	78	3056	3.511	118	3527	3.911
-1	2216	2.721	39	2627	3.121	79	3067	3.521	119	3539	3.921
0	2226	2.731	40	2638	3.131	80	3079	3.531	120	3552	3.931
1	2236	2.741	41	2649	3.141	81	3090	3.541	121	3564	3.941
2	2246	2.751	42	2659	3.151	82	3102	3.551	122	3576	3.951
3	2256	2.761	43	2670	3.161	83	3113	3.561	123	3588	3.961
4	2266	2.771	44	2681	3.171	84	3125	3.571	124	3601	3.971
5	2276	2.781	45	2692	3.181	85	3136	3.581	125	3613	3.981
6	2286	2.791	46	2702	3.191	86	3148	3.591	126	3625	3.991
7	2296	2.801	47	2713	3.201	87	3159	3.601	127	3638	4.001
8	2306	2.811	48	2724	3.211	88	3171	3.611	128	3650	4.011
9	2316	2.821	49	2735	3.221	89	3182	3.621	129	3663	4.021
									130	3675	4.031

Légende :

t = Température [°C]

R_F = Résistance de l'élément T1 (à utiliser uniquement pour l'étalonnage d'un simulateur de température)

U_F = Tension de la sonde (linéarisée)