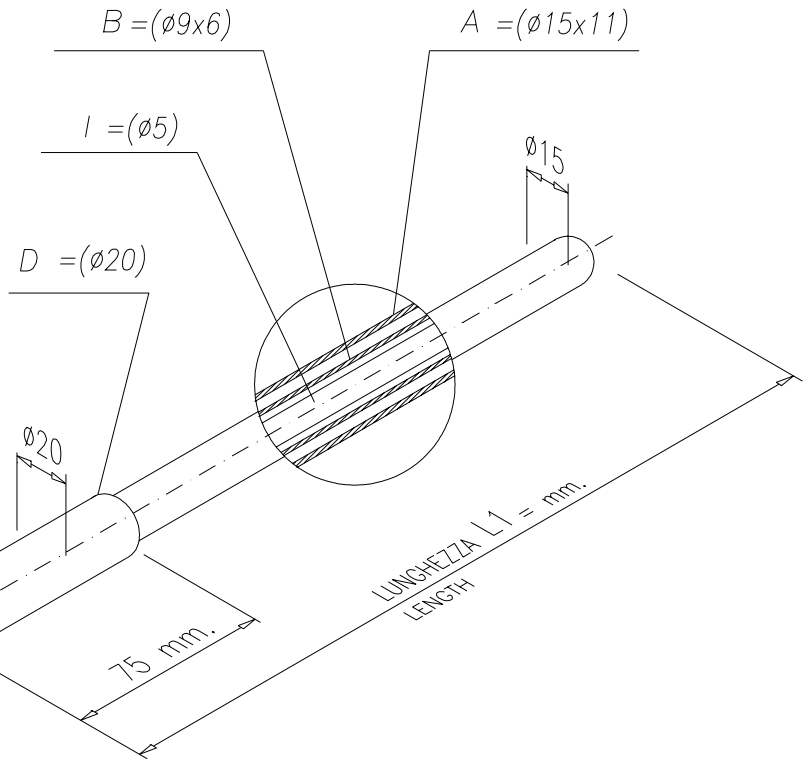
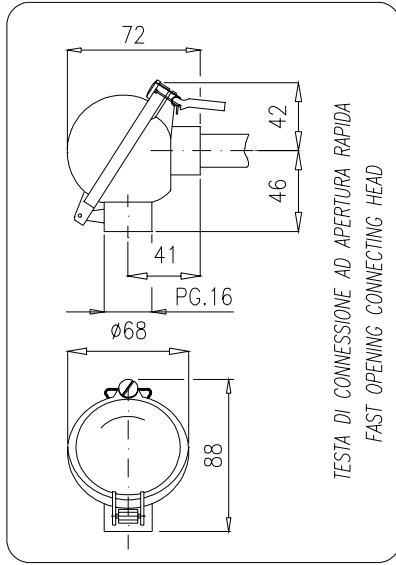


TERMOCOPPIA DOPPIA GUAINA PER ALTE TEMPERATURE CON TESTA DI CONNESSIONE TIPO "D"
HIGH TEMPERATURE THERMOCOUPLE WITH DOUBLE SHEATH. TYPE "D" CONNECTING HEAD



INSERTO ESTRAIBILE MONOCORPO
 SINGLE BODY REMOVABLE INSERT

SALDATURA FILI
 SENZA RIPORTO DI MATERIALI
 WELDING WITHOUT
 HARD-FACING

ANELLO IN GOMMASILICONE
 SILICON RUBBER RING

TESTA IN ALLUMINIO
 PRESSOFUSO
 DIE-CAST
 ALUMINIUM HEAD

ATTENZIONE : In fase di ordinazione tenere conto oltre alle temperature di lavoro dei fili in platino, anche delle temperature di lavoro delle guaine ed isolatore ceramico.

NOTE : When ordering, please do not consider only the platinum wires operating temperatures, but also ceramic sheaths and insulator ones.

Materiale Ceramico tipo DIN VDE 0335 cod.610 (PYTHAGORAS)
 E' il materiale a tenuta di gas più economico e può essere impiegato di norma fino a 1500°C in continuo.
 La sua resistenza contro i gas esenti da acido idrofluoridrico, è molto buona ; una percentuale di Allumina del 60% e un assorbimento inferiore allo 0.2%, danno al materiale una ottima stabilità dimensionale per guaine inserite orizzontalmente, nonché un ottimo coefficiente di TSR (resistenza shock termico).

Ceramic material type DIN VDE 0335 cod.610 (PYTHAGORAS)
 It is the most cheap impervious material, and can be normally used continuously up to 1500°C.
 It has a very good resistance against gas free from Hydrofluoric acid. The 60% Al2O3 content and the absorption less than 0.2% give to this material a good dimensional stability, (referred to horizontally inserted sheaths), and a good thermal shock resistance (TSR rate).

Materiale Ceramico tipo DIN VDE 0335 cod.799 (ALSINT)
 Ad altissima refrattarietà permessa da un contenuto di Allumina pari al 99.7 (il resto è MgO).
 Refrattarietà e stabilità termica fino a 1700°C, una buona resistenza agli shock termici grazie a un'alta conduttività termica; ottima resistenza elettrica e impermeabilità ai materiali policristallini, ai gas aggressivi come azoto o altri gas riducenti. Elevata resistenza a compressione e a flessione, discreta resistenza a trazione.
 Resistente agli acidi e agli alcali, alle radiazioni nucleari ai raggi X e ai raggi UV.
 Chimicamente inerte e non degasante in condizioni di vuoto.
 Durezza al livello del diamante.

Ceramic material type DIN VDE 0335 cod.799 (ALSINT)
 Very high refractory material, due to 99.7 Al2O3 content (0.3 balance being MgO). Refractoriness and thermal stability up to 1700°C.
 Good thermal shock resistance due to high thermal conductivity. Very good electrical resistance and impermeableness to multicrystalline materials and to aggressive gas (Nitrogen and other reducing gas). Very good resistance to compressive and flexural strength, good to tensile stress. Resistant to acids/alkali, nuclear radiations, X-rays, UV-rays. Chemically inert and not degassing under vacuum state.
 Hardness at diamond grade.

Tolleranze secondo norme IEC 584.2 cl.2 (+/- 1.5°C oppure +/- 0.25%) (vale il maggiore tra i due valori).
 Tolerances according to IEC 584.2 cl.2 (+/- 1.5°C or +/- 0.25%) (the highest value applies).

ZAMA SENSOR s.r.l. / DISEGNATORE : 544 / APPROVATO DA : 003 / DATA : 08/10/1998 / REVISIONE N° 00.01 DEL 09/12/1998

TIPO DI TERMOCOPPIA
THERMOCOUPLE TYPE

"S" (Pt Rh 10% - Pt)	4
"R" (Pt Rh 13% - Pt)	5
"B" (Pt Rh 30% - Pt Rh 6%) *	6

* Disponibile solo per ø0.50 mm.
Available only for ø0.50 mm.

MATERIALE GUAINA ED ISOLATORE
SECONDINO DIN VDE 0335
SHEATHS AND INSULATOR MATERIAL
CONFORM TO DIN VDE 0335 STANDARD

(A) GUAINA ESTERNA OUTSIDE SHEATH	610	610	799
	1500°C	1500°C	1700°C
(B) GUAINA INTERNA INSIDE SHEATH	610	799	799
	1500°C	1700°C	1700°C
(I) ISOLATORE INSULATOR	610	799	799
	1500°C	1700°C	1700°C
	1	3	7

TIPO ELEMENTO
ELEMENT TYPE

1	SINGOLO ELEMENTO (2 FILI - WIRES) SINGLE ELEMENT
2	DOPPIO ELEMENTO (4 FILI - WIRES) DOUBLE ELEMENT

DIAMETRO FILI INSERTO
INSERT WIRES DIAMETER

25	ø 0.25 mm.
35	ø 0.35 mm.
50	ø 0.50 mm.

LUNGHEZZA (L1)
LENGTH (L1)

	L1 = mm.
03	150 mm.
04	200 mm.
05	250 mm.
06	300 mm.
07	350 mm.
08	400 mm.
09	450 mm.
10	500 mm.
11	550 mm.
12	600 mm.
13	650 mm.
14	700 mm.
15	750 mm.
16	800 mm.
17	850 mm.
18	900 mm.
19	950 mm.
20	1000 mm.
21	1050 mm.
22	1100 mm.
23	1150 mm.
24	1200 mm.
25	1250 mm.
26	1300 mm.
27	1350 mm.
28	1400 mm.
29	1450 mm.
30	1500 mm.
31	1550 mm.
32	1600 mm.
33	1650 mm.
34	1700 mm.
35	1750 mm.
36	1800 mm.
37	1850 mm.
38	1900 mm.
39	1950 mm.
40	2000 mm.

Cod. 2 3 7 . 0 .

TEMPERATURE MASSIME DI LAVORO CONSIGLIATE (°C)
ADVISED MAX. OPERATING TEMPERATURES (°C)

TIPO DI TERMOCOPPIA THERMOCOUPLE TYPE	USO CONTINUO (°C) CONTINUOUS USE (°C)			USO INTERMITTENTE (°C) INTERMITTENT USE (°C)		
	ø0.25	ø0.35	ø0.50	ø0.25	ø0.35	ø0.50
"S" (Pt Rh 10% - Pt)	1100	1300	1400	1190	1420	1650
"R" (Pt Rh 13% - Pt)	1100	1300	1400	1190	1420	1650
"B" (Pt Rh 30% - Pt Rh 6%)	—	—	1600	—	—	1770

OPZIONE CANOTTO (D)
ROD OPTION

C 2 0 0

MATERIALE CANOTTO
ROD MATERIAL

A	ACCIAIO AL CARBONIO ZINCATO GALVANIZED CARBON STEEL
I	ACCIAIO INOX AISI 310 STAINLESS STEEL AISI 310

100	L = 100 mm.
150	L = 150 mm.
200	L = 200 mm.
250	L = 250 mm.
300	L = 300 mm.
350	L = 350 mm.
400	L = 400 mm.
450	L = 450 mm.
500	L = 500 mm.
550	L = 550 mm.
600	L = 600 mm.
650	L = 650 mm.
700	L = 700 mm.
750	L = 750 mm.
800	L = 800 mm.
850	L = 850 mm.
900	L = 900 mm.
950	L = 950 mm.

SPORGENZA INTERNA MINIMO 40 mm.
INSIDE PROJECTION MIN. 40 mm.

SPORGENZA INTERNA IN MONTAGGIO ORIZZONTALE MAX. 180 mm.
INSIDE PROJECTION WITH HORIZONTAL ASSEMBLY MAX. 180 mm.

IL CANOTTO STANDARD E' PROPOSTO CON LUNGHEZZA 75 mm. IN ACCIAIO AL CARBONIO ZINCATO.
PER ALTRE LUNGHEZZE O MATERIALI DIVERSI, ORDINARE LA TERMOCOPPIA CON AGGIUNTA DELLA OPZIONE A FIANCO INDICATA.

STANDARD ROD : GALVANIZED CARBON STEEL, LENGTH 75 mm.
PLEASE ORDER THE THERMOCOUPLE ADDING THE SIDE-MENTIONED OPTION IN CASE OF DIFFERENT MATERIALS OR LENGTHS.

Esempio di ordinazione : **Cod. 2371.401.3520 + CI 200 150** Ordering code example : **Cod. 2371.401.3520 + CI 200 150**

Termocoppia tipo S con guaina esterna, guaina interna e isolatore in ceramica 610, singolo elemento, diametro fili 0.35 mm. e lunghezza L1 = 1000 mm. con opzione del canotto in acciaio inox AISI 310 L = 150 mm.

"S" type thermocouple with ceramic material code 610 outside sheath, inside sheath and insulator, single element, wires diameter 0.35 mm. L1 length : 1000 mm. - Option : stainless steel AISI 310 rod, length 150 mm.

CALIBRATION TABLE FOR THERMOCOUPLES TYPE B (Platinum-30% Rh / Platinum-6% Rh) ACCORDING TO IEC 584-1
TABELLA DI CALIBRAZIONE PER TERMOCOPPIE TIPO B (Platino-30% Rh / Platino-6% Rh) SECONDO NORMATIVA IEC 584-1

Thermometric voltage in absolute mV - Reference junction at 0°C

Thermometric voltage in absolute mV - Reference junction at 0°C

	0	1	2	3	4	5	6	7	8	9		0	1	2	3	4	5	6	7	8	9
400	0,787	0,791	0,795	0,799	0,803	0,807	0,811	0,815	0,819	0,824	1100	5,780	5,789	5,799	5,809	5,819	5,828	5,838	5,848	5,858	5,868
410	0,828	0,832	0,836	0,840	0,844	0,849	0,853	0,857	0,861	0,866	1110	5,878	5,887	5,897	5,907	5,917	5,927	5,937	5,947	5,956	5,966
420	0,870	0,874	0,878	0,883	0,887	0,891	0,896	0,900	0,904	0,909	1120	5,976	5,986	5,996	6,006	6,016	6,026	6,036	6,046	6,055	6,065
430	0,913	0,917	0,922	0,926	0,930	0,935	0,939	0,944	0,948	0,953	1130	6,075	6,085	6,095	6,105	6,115	6,125	6,135	6,145	6,155	6,165
440	0,957	0,961	0,966	0,970	0,975	0,979	0,984	0,988	0,993	0,997	1140	6,175	6,185	6,195	6,205	6,215	6,225	6,235	6,245	6,256	6,266
450	1,002	1,007	1,011	1,016	1,020	1,025	1,030	1,034	1,039	1,043	1150	6,276	6,286	6,296	6,306	6,316	6,326	6,336	6,346	6,356	6,367
460	1,048	1,053	1,057	1,062	1,067	1,071	1,076	1,081	1,086	1,090	1160	6,377	6,387	6,397	6,407	6,417	6,427	6,438	6,448	6,458	6,468
470	1,095	1,100	1,105	1,109	1,114	1,119	1,124	1,129	1,133	1,138	1170	6,478	6,488	6,499	6,509	6,519	6,529	6,539	6,550	6,560	6,570
480	1,143	1,148	1,153	1,158	1,163	1,167	1,172	1,177	1,182	1,187	1180	6,580	6,591	6,601	6,611	6,621	6,632	6,642	6,652	6,663	6,673
490	1,192	1,197	1,202	1,207	1,212	1,217	1,222	1,227	1,232	1,237	1190	6,683	6,693	6,704	6,714	6,724	6,735	6,745	6,755	6,766	6,776
500	1,242	1,247	1,252	1,257	1,262	1,267	1,272	1,277	1,282	1,288	1200	6,786	6,797	6,807	6,818	6,828	6,838	6,849	6,859	6,869	6,880
510	1,293	1,298	1,303	1,308	1,313	1,318	1,324	1,329	1,334	1,339	1210	6,890	6,901	6,911	6,922	6,932	6,942	6,953	6,963	6,974	6,984
520	1,344	1,350	1,355	1,360	1,365	1,371	1,376	1,381	1,387	1,392	1220	6,995	7,005	7,016	7,026	7,037	7,047	7,058	7,068	7,079	7,089
530	1,397	1,402	1,408	1,413	1,418	1,424	1,429	1,435	1,440	1,445	1230	7,100	7,110	7,121	7,131	7,142	7,152	7,163	7,173	7,184	7,194
540	1,451	1,456	1,462	1,467	1,472	1,478	1,483	1,489	1,494	1,500	1240	7,205	7,216	7,226	7,237	7,247	7,258	7,269	7,279	7,290	7,300
550	1,505	1,511	1,516	1,522	1,527	1,533	1,539	1,544	1,550	1,555	1250	7,311	7,322	7,332	7,343	7,353	7,364	7,375	7,385	7,396	7,407
560	1,561	1,566	1,572	1,578	1,583	1,589	1,595	1,600	1,606	1,612	1260	7,417	7,428	7,439	7,449	7,460	7,471	7,482	7,492	7,503	7,514
570	1,617	1,623	1,629	1,634	1,640	1,646	1,652	1,657	1,663	1,669	1270	7,524	7,535	7,546	7,557	7,567	7,578	7,589	7,600	7,610	7,621
580	1,675	1,680	1,686	1,692	1,698	1,704	1,709	1,715	1,721	1,727	1280	7,632	7,643	7,653	7,664	7,675	7,686	7,697	7,707	7,718	7,729
590	1,733	1,739	1,745	1,750	1,756	1,762	1,768	1,774	1,780	1,786	1290	7,740	7,751	7,761	7,772	7,783	7,794	7,805	7,816	7,827	7,837
600	1,792	1,798	1,804	1,810	1,816	1,822	1,828	1,834	1,840	1,846	1300	7,848	7,859	7,870	7,881	7,892	7,903	7,914	7,924	7,935	7,946
610	1,852	1,858	1,864	1,870	1,876	1,882	1,888	1,894	1,901	1,907	1310	7,957	7,968	7,979	7,990	8,001	8,012	8,023	8,034	8,045	8,056
620	1,913	1,919	1,925	1,931	1,937	1,944	1,950	1,956	1,962	1,968	1320	8,066	8,077	8,088	8,099	8,110	8,121	8,132	8,143	8,154	8,165
630	1,975	1,981	1,987	1,993	1,999	2,006	2,012	2,018	2,025	2,031	1330	8,176	8,187	8,198	8,209	8,220	8,231	8,242	8,253	8,264	8,275
640	2,037	2,043	2,050	2,056	2,062	2,069	2,075	2,082	2,088	2,094	1340	8,286	8,298	8,309	8,320	8,331	8,342	8,353	8,364	8,375	8,386
650	2,101	2,107	2,113	2,120	2,126	2,133	2,139	2,146	2,152	2,158	1350	8,397	8,408	8,419	8,430	8,441	8,453	8,464	8,475	8,486	8,497
660	2,165	2,171	2,178	2,184	2,191	2,197	2,204	2,210	2,217	2,224	1360	8,508	8,508	8,519	8,530	8,542	8,553	8,564	8,575	8,586	8,608
670	2,230	2,237	2,243	2,250	2,256	2,263	2,270	2,276	2,283	2,289	1370	8,620	8,631	8,642	8,653	8,664	8,675	8,686	8,697	8,709	8,720
680	2,296	2,303	2,309	2,316	2,323	2,329	2,336	2,343	2,350	2,356	1380	8,731	8,743	8,754	8,765	8,776	8,787	8,799	8,810	8,821	8,832
690	2,363	2,370	2,376	2,383	2,390	2,397	2,403	2,410	2,417	2,424	1390	8,844	8,855	8,866	8,877	8,889	8,900	8,911	8,922	8,934	8,945
700	2,431	2,437	2,444	2,451	2,458	2,465	2,472	2,479	2,485	2,492	1400	8,956	8,967	8,979	8,990	9,001	9,013	9,024	9,035	9,047	9,058
710	2,499	2,506	2,513	2,520	2,527	2,534	2,541	2,548	2,555	2,562	1410	9,069	9,080	9,092	9,103	9,114	9,126	9,137	9,148	9,160	9,171
720	2,569	2,576	2,583	2,590	2,597	2,604	2,611	2,618	2,625	2,632	1420	9,182	9,194	9,205	9,216	9,228	9,239	9,251	9,262	9,273	9,285
730	2,639	2,646	2,653	2,660	2,667	2,674	2,681	2,688	2,696	2,703	1430	9,296	9,307	9,319	9,330	9,342	9,353	9,364	9,376	9,387	9,398
740	2,710	2,717	2,724	2,731	2,738	2,746	2,753	2,760	2,767	2,775	1440	9,410	9,421	9,433	9,444	9,456	9,467	9,478	9,490	9,501	9,513
750	2,782	2,789	2,796	2,803	2,811	2,818	2,825	2,833	2,840	2,847	1450	9,524	9,536	9,547	9,558	9,570	9,581	9,593	9,604	9,616	9,627
760	2,854	2,862	2,869	2,876	2,884	2,891	2,898	2,906	2,913	2,921	1460	9,639	9,650	9,662	9,673	9,684	9,696	9,707	9,719	9,730	9,742
770	2,928	2,935	2,943	2,950	2,958	2,965	2,973	2,980	2,987	2,995	1470	9,753	9,765	9,776	9,788	9,799	9,811	9,822	9,834	9,845	9,857
780	3,002	3,010	3,017	3,025	3,032	3,040	3,047	3,055	3,062	3,070	1480	9,868	9,880	9,891	9,903	9,914	9,926	9,937	9,949	9,961	9,972
790	3,078	3,085	3,093	3,100	3,108	3,116	3,123	3,131	3,138	3,146	1490	9,984	9,995	10,007	10,018	10,030	10,041	10,053	10,064	10,076	10,088
800	3,154	3,161	3,169	3,177	3,184	3,192	3,200	3,207	3,215	3,223	1500	10,099	10,111	10,122	10,134	10,145	10,157	10,168	10,180	10,192	10,203
810	3,230	3,238	3,246	3,254	3,261	3,269	3,277	3,285	3,292	3,300	1510	10,215	10,226	10,238	10,249	10,261	10,273	10,284	10,296	10,307	10,319
820	3,308	3,316	3,324	3,331	3,339	3,347	3,355	3,363	3,371	3,379	1520	10,331	10,342	10,354	10,365	10,377	10,389	10,400	10,412	10,423	10,435
830	3,386	3,394	3,402	3,410	3,418	3,426	3,434	3,442	3,450	3,458	1530	10,447	10,458	10,470	10,482	10,493	10,505	10,516	10,528	10,540	10,551
840	3,466	3,474	3,482	3,490	3,498	3,506	3,514	3,522	3,530	3,538	1540	10,563	10,575	10,586	10,598	10,609	10,621	10,633	10,644	10,656	10,668
850	3,546	3,554	3,562	3,570	3,578	3,586	3,594	3,602	3,610	3,618	1550	10,679	10,691	10,703	10,714	10,726	10,738	10,749	10,761	10,773	10,784
860	3,626	3,634	3,643	3,651	3,659	3,667	3,675	3,683	3,692	3,700	1560	10,796	10,808	10,819	10,831	10,843	10,854	10,866	10,877	10,889	10,901
870	3,708	3,716	3,724	3,732	3,741	3,749	3,757	3,765	3,774	3,782	1570	10,913	10,924	10,936	10,948	10,959	10,971	10,983	10,994	11,006	11,018
880	3,790	3,798	3,807	3,815	3,823	3,832	3,840	3,848	3,857	3,865	1580	11,029	11,041	11,053	11,064	11,076	11,088	11,099	11,111	11,123	11,134
890	3,873	3,882	3,890	3,898	3,907	3,915	3,923	3,932	3,940	3,949	1590	11,146	11,158	11,169	11,181	11,193	11,205	11,216	11,228	11,240	11,251
900	3,957	3,965	3,974	3,982	3,991	3,999	4,008	4,016	4,024	4,033	1600	11,263	11,275	11,286	11,298	11,310	11,321	11,333	11,345	11,357	11,368
910	4,041	4,050	4,058	4,067	4,075	4,084	4,093	4,101	4,110	4,118	1610	11,380	11,392	11,403	11,415	11,427	11,438	11,450	11,462	11,474	11,485
920	4,127	4,135	4,144	4,152	4,161	4,170	4,178	4,187	4,195	4,204	1620	11,497	11,509	11,520	11,532	11,544	11,555	11,567	11,579	11,591	11,602
930	4,213	4,221	4,23																		

CALIBRATION TABLE FOR THERMOCOUPLES TYPE S (Platinum- 10% Rh / Platinum) ACCORDING TO IEC 584-1
TABELLA DI CALIBRAZIONE PER TERMOCOPPIE TIPO S (Platino - 10% Rh / Platino) SECONDO NORMATIVA IEC 584-1

Thermometric voltage in absolute mV - Reference junction at 0°C

	0	1	2	3	4	5	6	7	8	9
300	2,323	2,332	2,341	2,350	2,360	2,369	2,378	2,387	2,396	2,405
310	2,415	2,424	2,433	2,442	2,451	2,461	2,470	2,479	2,488	2,497
320	2,507	2,516	2,525	2,534	2,544	2,553	2,562	2,571	2,581	2,590
330	2,599	2,609	2,618	2,627	2,636	2,646	2,655	2,664	2,674	2,683
340	2,692	2,702	2,711	2,720	2,730	2,739	2,748	2,758	2,767	2,776
350	2,786	2,795	2,805	2,814	2,823	2,833	2,842	2,851	2,861	2,870
360	2,880	2,889	2,899	2,908	2,917	2,927	2,936	2,946	2,955	2,965
370	2,974	2,983	2,993	3,002	3,012	3,021	3,031	3,040	3,050	3,059
380	3,069	3,078	3,088	3,097	3,107	3,116	3,126	3,135	3,145	3,154
390	3,164	3,173	3,183	3,192	3,202	3,212	3,221	3,231	3,240	3,250
400	3,259	3,269	3,279	3,288	3,298	3,307	3,317	3,326	3,336	3,346
410	3,355	3,365	3,374	3,384	3,394	3,403	3,413	3,423	3,432	3,442
420	3,451	3,461	3,471	3,480	3,490	3,500	3,509	3,519	3,529	3,538
430	3,548	3,558	3,567	3,577	3,587	3,596	3,606	3,616	3,626	3,635
440	3,645	3,655	3,664	3,674	3,684	3,694	3,703	3,713	3,723	3,732
450	3,742	3,752	3,762	3,771	3,781	3,791	3,801	3,810	3,820	3,830
460	3,840	3,850	3,859	3,869	3,879	3,889	3,898	3,908	3,918	3,928
470	3,938	3,947	3,957	3,967	3,977	3,987	3,997	4,006	4,016	4,026
480	4,036	4,046	4,056	4,065	4,075	4,085	4,095	4,105	4,115	4,125
490	4,134	4,144	4,154	4,164	4,174	4,184	4,194	4,204	4,213	4,223
500	4,233	4,243	4,253	4,263	4,273	4,283	4,293	4,303	4,313	4,323
510	4,332	4,342	4,352	4,362	4,372	4,382	4,392	4,402	4,412	4,422
520	4,432	4,442	4,452	4,462	4,472	4,482	4,492	4,502	4,512	4,522
530	4,532	4,542	4,552	4,562	4,572	4,582	4,592	4,602	4,612	4,622
540	4,632	4,642	4,652	4,662	4,672	4,682	4,692	4,702	4,712	4,722
550	4,732	4,742	4,752	4,762	4,772	4,782	4,793	4,803	4,813	4,823
560	4,833	4,843	4,853	4,863	4,873	4,883	4,893	4,904	4,914	4,924
570	4,934	4,944	4,954	4,964	4,974	4,984	4,995	5,005	5,015	5,025
580	5,035	5,045	5,055	5,066	5,076	5,086	5,096	5,106	5,116	5,127
590	5,137	5,147	5,157	5,167	5,178	5,188	5,198	5,208	5,218	5,228
600	5,239	5,249	5,259	5,269	5,280	5,290	5,300	5,310	5,320	5,331
610	5,341	5,351	5,361	5,372	5,382	5,392	5,402	5,413	5,423	5,433
620	5,443	5,454	5,464	5,474	5,485	5,495	5,505	5,515	5,526	5,536
630	5,546	5,557	5,567	5,577	5,588	5,598	5,608	5,618	5,629	5,639
640	5,649	5,660	5,670	5,680	5,691	5,701	5,712	5,722	5,732	5,743
650	5,753	5,763	5,774	5,784	5,794	5,805	5,815	5,826	5,836	5,846
660	5,857	5,867	5,878	5,888	5,898	5,909	5,919	5,930	5,940	5,950
670	5,961	5,971	5,982	5,992	6,003	6,013	6,024	6,034	6,044	6,055
680	6,065	6,076	6,086	6,097	6,107	6,118	6,128	6,139	6,149	6,160
690	6,170	6,181	6,191	6,202	6,212	6,223	6,233	6,244	6,254	6,265
700	6,275	6,286	6,296	6,307	6,317	6,328	6,338	6,349	6,360	6,370
710	6,381	6,391	6,402	6,412	6,423	6,434	6,444	6,455	6,465	6,476
720	6,486	6,497	6,508	6,518	6,529	6,539	6,550	6,561	6,571	6,582
730	6,593	6,603	6,614	6,624	6,635	6,646	6,656	6,667	6,678	6,688
740	6,699	6,710	6,720	6,731	6,742	6,752	6,763	6,774	6,784	6,795
750	6,806	6,817	6,827	6,838	6,849	6,859	6,870	6,881	6,892	6,902
760	6,913	6,924	6,934	6,945	6,956	6,967	6,977	6,988	6,999	7,010
770	7,020	7,031	7,042	7,053	7,064	7,074	7,085	7,096	7,107	7,117
780	7,128	7,139	7,150	7,161	7,172	7,182	7,193	7,204	7,215	7,226
790	7,236	7,247	7,258	7,269	7,280	7,291	7,302	7,312	7,323	7,334
800	7,345	7,356	7,367	7,378	7,388	7,399	7,410	7,421	7,432	7,443
810	7,454	7,465	7,476	7,487	7,497	7,508	7,519	7,530	7,541	7,552
820	7,563	7,574	7,585	7,596	7,607	7,618	7,629	7,640	7,651	7,662
830	7,673	7,684	7,695	7,706	7,717	7,728	7,739	7,750	7,761	7,772
840	7,783	7,794	7,805	7,816	7,827	7,838	7,849	7,860	7,871	7,882
850	7,893	7,904	7,915	7,926	7,937	7,948	7,959	7,970	7,981	7,992
860	8,003	8,014	8,026	8,037	8,048	8,059	8,070	8,081	8,092	8,103
870	8,114	8,125	8,137	8,148	8,159	8,170	8,181	8,192	8,203	8,214
880	8,226	8,237	8,248	8,259	8,270	8,281	8,293	8,304	8,315	8,326
890	8,337	8,348	8,360	8,371	8,382	8,393	8,404	8,416	8,427	8,438
900	8,449	8,460	8,472	8,483	8,494	8,505	8,517	8,528	8,539	8,550
910	8,562	8,573	8,584	8,595	8,607	8,618	8,629	8,640	8,652	8,663
920	8,674	8,685	8,697	8,708	8,719	8,731	8,742	8,753	8,765	8,776
930	8,787	8,798	8,810	8,821	8,832	8,844	8,855	8,866	8,878	8,889
940	8,900	8,912	8,923	8,935	8,946	8,957	8,969	8,980	8,991	9,003
950	9,014	9,025	9,037	9,048	9,060	9,071	9,082	9,094	9,105	9,117
960	9,128	9,139	9,151	9,162	9,174	9,185	9,197	9,208	9,219	9,231
970	9,242	9,254	9,265	9,277	9,288	9,300	9,311	9,323	9,334	9,345
980	9,357	9,368	9,380	9,391	9,403	9,414	9,426	9,437	9,449	9,460
990	9,472	9,483	9,495	9,506	9,518	9,529	9,541	9,552	9,564	9,576

Thermometric voltage in absolute mV - Reference junction at 0°C

	0	1	2	3	4	5	6	7	8	9
1000	9,587	9,599	9,610	9,622	9,633	9,645	9,656	9,668	9,680	9,691
1010	9,703	9,714	9,726	9,737	9,749	9,761	9,772	9,784	9,795	9,807
1020	9,819	9,830	9,842	9,853	9,865	9,877	9,888	9,900	9,911	9,923
1030	9,935	9,946	9,958	9,970	9,981	9,993	10,005	10,016	10,028	10,040
1040	10,051	10,063	10,075	10,086	10,098	10,110	10,121	10,133	10,145	10,156
1050	10,168	10,180	10,191	10,203	10,215	10,227	10,238	10,250	10,262	10,273
1060	10,285	10,297	10,309	10,320	10,332	10,344	10,356	10,367	10,379	10,391
1070	10,403	10,414	10,426	10,438	10,450	10,461	10,473	10,485	10,497	10,509
1080	10,520	10,532	10,544	10,556	10,567	10,579	10,591	10,603	10,615	10,626
1090	10,638	10,650	10,662	10,674	10,686	10,697	10,709	10,721	10,733	10,745
1100	10,757	10,768	10,780	10,792	10,804	10,816	10,828	10,839	10,851	10,863
1110	10,875	10,887	10,899	10,911	10,922	10,934	10,946	10,958	10,970	10,982
1120	10,994	11,006	11,017	11,029	11,041	11,053	11,065	11,077	11,089	11,101
1130	11,113	11,125	11,136	11,148	11,160	11,172	11,184	11,196	11,208	11,220
1140	11,232	11,244	11,256	11,268	11,280	11,291	11,303	11,315	11,327	11,339
1150	11,351	11,363	11,375	11,387	11,399	11,411	11,423	11,435	11,447	11,459
1160	11,471	11,483	11,495	11,507	11,519	11,531	11,542	11,554	11,566	11,578
1170	11,590	11,602	11,614	11,626	11,638	11,650	11,662	11,674	11,686	11,698
1180	11,710	11,722	11,734	11,746	11,758	11,770	11,782	11,794	11,806	11,818
1190	11,830	11,842	11,854	11,866	11,878	11,890	11,902	11,914	11,926	11,939
1200	11,951	11,963	11,975	11,987	11,999	12,011	12,023	12,035	12,047	12,059
1210	12,071	12,083	12,095	12,107	12,119	12,131	12,143	12,155	12,167	12,179
1220	12,191	12,203	12,216	12,228	12,240	12,252	12,264	12,276	12,288	12,300
1230	12,312	12,324	12,336	12,348	12,360	12,372	12,384	12,397	12,409	12,421
1240	12,433	12,445	12,457	12,469	12,481	12,493	12,505	12,517	12,529	12,542
1250	12,554	12,566	12,578	12,590	12,602	12,614	12,626	12,638	12,650	12,662
1260	12,675	12,687	12,699	12,711	12,723	12,735	12,747	12,759	12,771	12,783
1270	12,796	12,808	12,820	12,832	12,844	12,856	12,868	12,880	12,892	12,905
1280	12,917	12,929	12,941	12,953	12,965	12,977	12,989	13,001	13,014	13,026
1290	13,038	13,050	13,062	13,074	13,086	13,098	13,111	13,123	13,135	13,147
1300	13,159	13,171	13,183	13,195	13,208	13,220	13,232	13,244	13,256	13,268
1310	13,280	13,292	13,305	13,317	13,329	13,341	13,353	13,365	13,377	13,390
1320	13,402	13,414	13,426							