

CALIBRATION TABLE FOR THERMOCOUPLES TYPE N (Nickel-Chromium-Silicon/ Nickel-Silicon) ACCORDING TO IEC 584-1
TABELLA DI CALIBRAZIONE PER TERMOCOPPIE TIPO N (Nickel-Chromo-Silicio/ Nickel-Silicio) 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 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0,000 | 0,026 | 0,052 | 0,078 | 0,104 | 0,130 | 0,156 | 0,182 | 0,208 | 0,235 |
| 10 | 0,261 | 0,287 | 0,313 | 0,340 | 0,366 | 0,393 | 0,419 | 0,446 | 0,472 | 0,499 |
| 20 | 0,525 | 0,552 | 0,578 | 0,605 | 0,632 | 0,659 | 0,685 | 0,712 | 0,739 | 0,766 |
| 30 | 0,793 | 0,820 | 0,847 | 0,874 | 0,901 | 0,928 | 0,955 | 0,983 | 1,010 | 1,037 |
| 40 | 1,065 | 1,092 | 1,119 | 1,147 | 1,174 | 1,202 | 1,229 | 1,257 | 1,284 | 1,312 |
| 50 | 1,340 | 1,368 | 1,395 | 1,423 | 1,451 | 1,479 | 1,507 | 1,535 | 1,563 | 1,591 |
| 60 | 1,619 | 1,647 | 1,675 | 1,703 | 1,732 | 1,760 | 1,788 | 1,817 | 1,845 | 1,873 |
| 70 | 1,902 | 1,930 | 1,959 | 1,988 | 2,016 | 2,045 | 2,074 | 2,102 | 2,131 | 2,160 |
| 80 | 2,189 | 2,218 | 2,247 | 2,276 | 2,305 | 2,334 | 2,363 | 2,392 | 2,421 | 2,450 |
| 90 | 2,480 | 2,509 | 2,538 | 2,568 | 2,597 | 2,626 | 2,656 | 2,685 | 2,715 | 2,744 |
| 100 | 2,774 | 2,804 | 2,833 | 2,863 | 2,893 | 2,923 | 2,953 | 2,983 | 3,012 | 3,042 |
| 110 | 3,072 | 3,102 | 3,133 | 3,163 | 3,193 | 3,223 | 3,253 | 3,283 | 3,314 | 3,344 |
| 120 | 3,374 | 3,405 | 3,435 | 3,466 | 3,496 | 3,527 | 3,557 | 3,588 | 3,619 | 3,649 |
| 130 | 3,680 | 3,711 | 3,742 | 3,772 | 3,803 | 3,834 | 3,865 | 3,896 | 3,927 | 3,958 |
| 140 | 3,989 | 4,020 | 4,051 | 4,083 | 4,114 | 4,145 | 4,176 | 4,208 | 4,239 | 4,270 |
| 150 | 4,302 | 4,333 | 4,365 | 4,396 | 4,428 | 4,459 | 4,491 | 4,523 | 4,554 | 4,586 |
| 160 | 4,618 | 4,650 | 4,681 | 4,713 | 4,745 | 4,777 | 4,809 | 4,841 | 4,873 | 4,905 |
| 170 | 4,937 | 4,969 | 5,001 | 5,033 | 5,066 | 5,098 | 5,130 | 5,162 | 5,195 | 5,227 |
| 180 | 5,259 | 5,292 | 5,324 | 5,357 | 5,389 | 5,422 | 5,454 | 5,487 | 5,520 | 5,552 |
| 190 | 5,585 | 5,618 | 5,650 | 5,683 | 5,716 | 5,749 | 5,782 | 5,815 | 5,847 | 5,880 |
| 200 | 5,913 | 5,946 | 5,979 | 6,013 | 6,046 | 6,079 | 6,112 | 6,145 | 6,178 | 6,211 |
| 210 | 6,245 | 6,278 | 6,311 | 6,345 | 6,378 | 6,411 | 6,445 | 6,478 | 6,512 | 6,545 |
| 220 | 6,579 | 6,612 | 6,646 | 6,680 | 6,713 | 6,747 | 6,781 | 6,814 | 6,848 | 6,882 |
| 230 | 6,916 | 6,949 | 6,983 | 7,017 | 7,051 | 7,085 | 7,119 | 7,153 | 7,187 | 7,221 |
| 240 | 7,255 | 7,289 | 7,323 | 7,357 | 7,392 | 7,426 | 7,460 | 7,494 | 7,528 | 7,563 |
| 250 | 7,597 | 7,631 | 7,666 | 7,700 | 7,734 | 7,769 | 7,803 | 7,838 | 7,872 | 7,907 |
| 260 | 7,941 | 7,976 | 8,010 | 8,045 | 8,080 | 8,114 | 8,149 | 8,184 | 8,218 | 8,253 |
| 270 | 8,288 | 8,323 | 8,358 | 8,392 | 8,427 | 8,462 | 8,497 | 8,532 | 8,567 | 8,602 |
| 280 | 8,637 | 8,672 | 8,707 | 8,742 | 8,777 | 8,812 | 8,847 | 8,882 | 8,918 | 8,953 |
| 290 | 8,988 | 9,023 | 9,058 | 9,094 | 9,129 | 9,164 | 9,200 | 9,235 | 9,270 | 9,306 |
| 300 | 9,341 | 9,377 | 9,412 | 9,448 | 9,483 | 9,519 | 9,554 | 9,590 | 9,625 | 9,661 |
| 310 | 9,696 | 9,732 | 9,768 | 9,803 | 9,839 | 9,875 | 9,910 | 9,946 | 9,982 | 10,018 |
| 320 | 10,054 | 10,089 | 10,125 | 10,161 | 10,197 | 10,233 | 10,269 | 10,305 | 10,341 | 10,377 |
| 330 | 10,413 | 10,449 | 10,485 | 10,521 | 10,557 | 10,593 | 10,629 | 10,665 | 10,701 | 10,737 |
| 340 | 10,774 | 10,810 | 10,846 | 10,882 | 10,918 | 10,955 | 10,991 | 11,027 | 11,064 | 11,100 |
| 350 | 11,136 | 11,173 | 11,209 | 11,245 | 11,282 | 11,318 | 11,355 | 11,391 | 11,428 | 11,464 |
| 360 | 11,501 | 11,537 | 11,574 | 11,610 | 11,647 | 11,683 | 11,720 | 11,757 | 11,793 | 11,830 |
| 370 | 11,867 | 11,903 | 11,940 | 11,977 | 12,013 | 12,050 | 12,087 | 12,124 | 12,160 | 12,197 |
| 380 | 12,234 | 12,271 | 12,308 | 12,345 | 12,382 | 12,418 | 12,455 | 12,492 | 12,529 | 12,566 |
| 390 | 12,603 | 12,640 | 12,677 | 12,714 | 12,751 | 12,788 | 12,825 | 12,862 | 12,899 | 12,937 |
| 400 | 12,974 | 13,011 | 13,048 | 13,085 | 13,122 | 13,159 | 13,197 | 13,234 | 13,271 | 13,308 |
| 410 | 13,346 | 13,383 | 13,420 | 13,457 | 13,495 | 13,532 | 13,569 | 13,607 | 13,644 | 13,682 |
| 420 | 13,719 | 13,756 | 13,794 | 13,831 | 13,869 | 13,906 | 13,944 | 13,981 | 14,019 | 14,056 |
| 430 | 14,094 | 14,131 | 14,169 | 14,206 | 14,244 | 14,281 | 14,319 | 14,356 | 14,394 | 14,432 |
| 440 | 14,469 | 14,507 | 14,545 | 14,582 | 14,620 | 14,658 | 14,695 | 14,733 | 14,771 | 14,809 |
| 450 | 14,846 | 14,884 | 14,922 | 14,960 | 14,998 | 15,035 | 15,073 | 15,111 | 15,149 | 15,187 |
| 460 | 15,225 | 15,262 | 15,300 | 15,338 | 15,376 | 15,414 | 15,452 | 15,490 | 15,528 | 15,566 |
| 470 | 15,604 | 15,642 | 15,680 | 15,718 | 15,756 | 15,794 | 15,832 | 15,870 | 15,908 | 15,946 |
| 480 | 15,984 | 16,022 | 16,060 | 16,099 | 16,137 | 16,175 | 16,213 | 16,251 | 16,289 | 16,327 |
| 490 | 16,366 | 16,404 | 16,442 | 16,480 | 16,518 | 16,557 | 16,595 | 16,633 | 16,671 | 16,710 |
| 500 | 16,748 | 16,786 | 16,824 | 16,863 | 16,901 | 16,939 | 16,978 | 17,016 | 17,054 | 17,093 |
| 510 | 17,131 | 17,169 | 17,208 | 17,246 | 17,285 | 17,323 | 17,361 | 17,400 | 17,438 | 17,477 |
| 520 | 17,515 | 17,554 | 17,592 | 17,630 | 17,669 | 17,707 | 17,746 | 17,784 | 17,823 | 17,861 |
| 530 | 17,900 | 17,938 | 17,977 | 18,016 | 18,054 | 18,093 | 18,131 | 18,170 | 18,208 | 18,247 |
| 540 | 18,286 | 18,324 | 18,363 | 18,401 | 18,440 | 18,479 | 18,517 | 18,556 | 18,595 | 18,633 |
| 550 | 18,672 | 18,711 | 18,749 | 18,788 | 18,827 | 18,865 | 18,904 | 18,943 | 18,982 | 19,020 |
| 560 | 19,059 | 19,098 | 19,136 | 19,175 | 19,214 | 19,253 | 19,292 | 19,330 | 19,369 | 19,408 |
| 570 | 19,447 | 19,485 | 19,524 | 19,563 | 19,602 | 19,641 | 19,680 | 19,718 | 19,757 | 19,796 |
| 580 | 19,835 | 19,874 | 19,913 | 19,952 | 19,990 | 20,029 | 20,068 | 20,107 | 20,146 | 20,185 |
| 590 | 20,224 | 20,263 | 20,302 | 20,341 | 20,379 | 20,418 | 20,457 | 20,496 | 20,535 | 20,574 |
| 600 | 20,613 | 20,652 | 20,691 | 20,730 | 20,769 | 20,808 | 20,847 | 20,886 | 20,925 | 20,964 |
| 610 | 21,003 | 21,042 | 21,081 | 21,120 | 21,159 | 21,198 | 21,237 | 21,276 | 21,315 | 21,354 |
| 620 | 21,393 | 21,432 | 21,471 | 21,510 | 21,549 | 21,588 | 21,628 | 21,667 | 21,706 | 21,745 |
| 630 | 21,784 | 21,823 | 21,862 | 21,901 | 21,940 | 21,979 | 22,018 | 22,058 | 22,097 | 22,136 |
| 640 | 22,175 | 22,214 | 22,253 | 22,292 | 22,331 | 22,370 | 22,409 | 22,449 | 22,488 | 22,527 |
| 650 | 22,566 | 22,605 | 22,644 | 22,684 | 22,723 | 22,762 | 22,801 | 22,840 | 22,879 | 22,919 |

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

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 660 | 22,958 | 22,997 | 23,036 | 23,075 | 23,115 | 23,154 | 23,193 | 23,232 | 23,271 | 23,311 |
| 670 | 23,350 | 23,389 | 23,428 | 23,467 | 23,507 | 23,546 | 23,585 | 23,624 | 23,663 | 23,703 |
| 680 | 23,742 | 23,781 | 23,820 | 23,860 | 23,899 | 23,938 | 23,977 | 24,016 | 24,056 | 24,095 |
| 690 | 24,134 | 24,173 | 24,213 | 24,252 | 24,291 | 24,330 | 24,370 | 24,409 | 24,448 | 24,487 |
| 700 | 24,527 | 24,566 | 24,605 | 24,644 | 24,684 | 24,723 | 24,762 | 24,801 | 24,841 | 24,880 |
| 710 | 24,919 | 24,959 | 24,998 | 25,037 | 25,076 | 25,116 | 25,155 | 25,194 | 25,233 | 25,273 |
| 720 | 25,312 | 25,351 | 25,391 | 25,430 | 25,469 | 25,508 | 25,548 | 25,587 | 25,626 | 25,666 |
| 730 | 25,705 | 25,744 | 25,783 | 25,823 | 25,862 | 25,901 | 25,941 | 25,980 | 26,019 | 26,058 |
| 740 | 26,098 | 26,137 | 26,176 | 26,216 | 26,255 | 26,294 | 26,333 | 26,373 | 26,412 | 26,451 |
| 750 | 26,491 | 26,530 | 26,569 | 26,608 | 26,648 | 26,687 | 26,726 | 26,766 | 26,805 | 26,844 |
| 760 | 26,883 | 26,923 | 26,962 | 27,001 | 27,041 | 27,080 | 27,119 | 27,158 | 27,198 | 27,237 |
| 770 | 27,276 | 27,316 | 27,355 | 27,394 | 27,433 | 27,473 | 27,512 | 27,551 | 27,591 | 27,630 |
| 780 | 27,669 | 27,708 | 27,748 | 27,787 | 27,826 | 27,866 | 27,905 | 27,944 | 27,983 | 28,023 |
| 790 | 28,062 | 28,101 | 28,140 | 28,180 | 28,219 | 28,258 | 28,297 | 28,337 | 28,376 | 28,415 |
| 800 | 28,455 | 28,494 | 28,533 | 28,572 | 28,612 | 28,651 | 28,690 | 28,729 | 28,769 | 28,808 |
| 810 | 28,847 | 28,886 | 28,926 | 28,965 | 29,004 | 29,043 | 29,083 | 29,122 | 29,161 | 29,200 |
| 820 | 29,239 | 29,279 | 29,318 | 29,357 | 29,396 | 29,436 | 29,475 | 29,514 | 29,553 | 29,592 |
| 830 | 29,632 | 29,671 | 29,710 | 29,749 | 29,789 | 29,828 | 29,867 | 29,906 | 29,945 | 29,985 |
| 840 | 30,024 | 30,063 | 30,102 | 30,141 | 30,181 | 30,220 | 30,259 | 30,298 | 30,337 | 30,376 |
| 850 | 30,416 | 30,455 | 30,494 | 30,533 | 30,572 | 30,611 | 30,651 | 30,690 | 30,729 | 30,768 |
| 860 | 30,807 | 30,846 | 30,886 | 30,925 | 30,964 | 31,003 | 31,042 | 31,081 | 31,120 | 31,160 |
| 870 | 31,199 | 31,238 | 31,277 | 31,316 | 31,355 | 31,394 | 31,433 | 31,473 | 31,512 | 31,551 |
| 880 | 31,590 | 31,629 | 31,668 | 31,707 | 31,746 | 31,785 | 31,824 | 31,863 | 31,903 | 31,942 |
| 890 | 31,981 | 32,020 | 32,059 | 32,098 | 32,137 | 32,176 | 32,215 | 32,254 | 32,293 | 32,332 |
| 900 | 32,371 | 32,410 | 32,449 | 32,488 | 32,527 | 32,566 | 32,605 | 32,644 | 32,683 | 32,722 |
| 910 | 32,761 | 32,800 | 32,839 | 32,878 | 32,917 | 32,956 | 32,995 | 33,034 | 33,073 | 33,112 |
| 920 | 33,151 | 33,190 | 33,229 | 33,268 | 33,307 | 33,346 | 33,385 | 33,424 | 33,463 | 33,502 |
| 930 | 33,541 | 33,580 | 33,619 | 33,658 | 33,697 | 33,736 | 33,775 | 33,814 | 33,853 | 33,892 |
| 940 | 33,930 | 33,969 | 34,008 | 34,047 | 34,086 | 34,125 | 34,163 | 34,202 | 34,241 | 34,280 |
| 950 | 34,319 | 34,358 | 34,397 | 34,436 | 34,475 | 34,514 | 34,552 | 34,591 | 34,629 | 34,668 |
| 960 | 34,707 | 34,746 | 34,785 | 34,823 | 34,862 | 34,901 | 34,940 | 34,979 | 35,017 | 35,056 |
| 970 | 35,095 | 35,134 | 35,172 | 35,211 | 35,250 | 35,289 | 35,327 | 35,366 | 35,405 | 35,444 |
| 980 | 35,482 | 35,521 | 35,560 | 35,598 | 35,637 | 35,676 | 35,714 | 35,753 | 35,792 | 35,831 |
| 990 | 35,869 | 35,908 | 35 | | | | | | | |