|            |                    | Kennlinie Widerstand                 |                |                            |                |          |        |
|------------|--------------------|--------------------------------------|----------------|----------------------------|----------------|----------|--------|
|            |                    |                                      |                |                            |                |          |        |
| Temperatur |                    | in                                   | Fehler         | Brückenspannung            | R1 = R3 = 5100 | R4 = 100 | U = 5V |
|            | Tabelle            | $oldsymbol{\Omega}$ Approximiert mit |                |                            | Ω              | Ω        |        |
|            |                    |                                      |                |                            |                |          |        |
| 0          | 100,000            | 100                                  | 0,000          | 0                          |                |          |        |
| 1          | 100,391            | 100,386                              | 0,005          | 0,000368704                |                |          |        |
| 2          | 100,781            | 100,772                              | 0,009          | 0,000736409                |                |          |        |
| 3          | 101,172            | 101,159                              | 0,013          | 0,001105002                |                |          |        |
| 5          | 101,562<br>101,953 | 101,545<br>101,931                   | 0,017<br>0,022 | 0,001472598<br>0,00184108  |                |          |        |
| 6          | 102,343            | 102,317                              | 0,026          | 0,002208565                |                |          |        |
| 7          | 102,733            | 102,703                              | 0,030          | 0,002575994                |                |          |        |
| 8          | 103,123            | 103,090                              | 0,033          | 0,002943369                |                |          |        |
| 9          | 103,513            | 103,476                              | 0,037          | 0,003310689                |                |          |        |
| 10         | 103,903<br>104,292 | 103,862<br>104,248                   | 0,041<br>0,044 | 0,003677953<br>0,004044221 |                |          |        |
| 12         | 104,682            | 104,635                              | 0,044          | 0,004044221                |                |          |        |
| 13         | 105,071            | 105,021                              | 0,050          | 0,004777534                |                |          |        |
| 14         | 105,460            | 105,407                              | 0,053          | 0,005143638                |                |          |        |
| 15         | 105,849            | 105,793                              | 0,056          | 0,005509687                |                |          |        |
| 16<br>17   | 106,238<br>106,627 | 106,179<br>106,566                   | 0,059<br>0,061 | 0,005875681<br>0,00624162  |                |          |        |
| 18         | 107,016            | 106,952                              | 0,061          | 0,006607505                |                |          |        |
| 19         | 107,405            | 107,338                              | 0,067          | 0,006973335                |                |          |        |
| 20         | 107,794            | 107,724                              | 0,070          | 0,007339111                |                |          |        |
| 21         | 108,182            | 108,110                              | 0,072          | 0,007703892                |                |          |        |
| 22         | 108,570<br>108,959 | 108,497                              | 0,073<br>0,076 | 0,008068618<br>0,00843423  |                |          |        |
| 23         | 109,347            | 108,883<br>109,269                   | 0,078          | 0,00843423                 |                |          |        |
| 25         | 109,735            | 109,655                              | 0,080          | 0,009163411                |                |          |        |
| 26         | 110,123            | 110,042                              | 0,081          | 0,00952792                 |                |          |        |
| 27         | 110,510            | 110,428                              | 0,082          | 0,009891435                |                |          |        |
| 28         | 110,898            | 110,814                              | 0,084          | 0,010255836                |                |          |        |
| 29<br>30   | 111,286<br>111,673 | 111,200<br>111,586                   | 0,086<br>0,087 | 0,010620182<br>0,010983536 |                |          |        |
| 31         | 112,060            | 111,973                              | 0,087          | 0,011346835                |                |          |        |
| 32         | 112,447            | 112,359                              | 0,088          | 0,01171008                 |                |          |        |
| 33         | 112,835            | 112,745                              | 0,090          | ·                          |                |          |        |
| 34         | 113,221            | 113,131                              | 0,090          | ·                          |                |          |        |
| 35<br>36   | 113,608<br>113,995 | 113,517<br>113,904                   | 0,091<br>0,091 | 0,012799493<br>0,013162523 |                |          |        |
| 37         | 114,382            | 114,290                              | 0,092          | 0,013102323                |                |          |        |
| 38         | 114,768            | 114,676                              | 0,092          | 0,013887483                |                |          |        |
| 39         | 115,155            | 115,062                              | 0,093          | 0,014250351                |                |          |        |
| 40         | 115,541            | 115,449                              | 0,093          | 0,014612228                |                |          |        |
| 41<br>42   | 115,927<br>116,313 | 115,835<br>116,221                   | 0,092<br>0,092 | 0,014974051<br>0,015335821 |                |          |        |
| 43         | 116,699            | 116,607                              | 0,092          | 0,015697537                |                |          |        |
| 44         | 117,085            | 116,993                              | 0,092          | 0,0160592                  |                |          |        |
| 45         | 117,470            | 117,380                              | 0,090          | ·                          |                |          |        |
| 46         | 117,856            | 117,766                              | 0,090          | ·                          |                |          |        |
| 47<br>48   | 118,241<br>118,627 | 118,152<br>118,538                   | 0,089<br>0,089 | ·                          |                |          |        |
| 49         | 119,012            | 118,924                              | 0,089          | 0,017303443                |                |          |        |
| 50         | 119,397            | 119,311                              | 0,086          | ·                          |                |          |        |
| 51         | 119,782            | 119,697                              | 0,085          | 0,018584662                |                | -        |        |
| 52         | 120,167            | 120,083                              | 0,084          | 0,018944962                |                |          |        |
| 53<br>54   | 120,552<br>120,936 | 120,469<br>120,855                   | 0,083<br>0,081 | 0,019305209<br>0,019664467 |                |          |        |
| 55         | 120,936            | 120,855                              | 0,081          | 0,019664467                |                |          |        |
| 56         | 121,705            | 121,628                              | 0,077          | 0,02038376                 |                |          |        |
| 57         | 122,090            | 122,014                              | 0,076          | 0,020743794                |                |          |        |

| 58 | 122,474 | 122,400 | 0,074 | 0,021102841 |  |
|----|---------|---------|-------|-------------|--|
| 59 | 122,858 | 122,787 | 0,071 | 0,021461835 |  |
| 60 | 123,242 | 123,173 | 0,069 | 0,021820776 |  |
| 61 | 123,626 | 123,559 | 0,067 | 0,022179664 |  |
| 62 | 124,009 | 123,945 | 0,064 | 0,022537565 |  |
| 63 | 124,393 | 124,331 | 0,062 | 0,022896348 |  |
| 64 | 124,777 | 124,718 | 0,059 | 0,023255078 |  |
| 65 | 125,160 | 125,104 | 0,056 | 0,023612821 |  |
| 66 | 125,543 | 125,490 | 0,053 | 0,023970512 |  |
| 67 | 125,926 | 125,876 | 0,050 | 0,024328151 |  |
| 68 | 126,309 | 126,262 | 0,047 | 0,024685737 |  |
| 69 | 126,692 | 126,649 | 0,043 | 0,02504327  |  |
| 70 | 127,075 | 127,035 | 0,040 | 0,025400752 |  |
| 71 | 127,458 | 127,421 | 0,037 | 0,025758181 |  |
| 72 | 127,840 | 127,807 | 0,033 | 0,026114624 |  |
| 73 | 128,223 | 128,194 | 0,029 | 0,026471948 |  |
| 74 | 128,605 | 128,580 | 0,025 | 0,026828288 |  |
| 75 | 128,987 | 128,966 | 0,021 | 0,027184575 |  |
| 76 | 129,370 | 129,352 | 0,018 | 0,027541742 |  |
| 77 | 129,752 | 129,738 | 0,014 | 0,027897925 |  |
| 78 | 130,133 | 130,125 | 0,008 | 0,028253124 |  |
| 79 | 130,515 | 130,511 | 0,004 | 0,028609203 |  |
| 80 | 130,897 | 130,897 | 0,000 | 0,02896523  |  |