Măsurarea temperaturii

a) Măsurare

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| t  [min.] | RT(Pt100)  [Ω] | UT  [mV] | TPt100  [0C] | TT  [0C] |
| 0 |  |  |  |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 9 |  |  |  |  |
| 12 |  |  |  |  |
| 15 |  |  |  |  |
| 18 |  |  |  |  |
| 21 |  |  |  |  |
| 24 |  |  |  |  |
| 27 |  |  |  |  |
| 30 |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T  [0C] | 150 | 140 | 130 | 120 | 110 | 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 |
| RNTC  [kΩ] |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

b) Simulare

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T  [0C] | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
| UT  [mV] |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RT(Pt100)  [Ω] |  |  |  |  |  |  |  |  |  |  |  |  |  |  |