TABLE 2. THE IDEAL RESISTIVITY OF POTASSIUM AT ZERO PRESSURE, ρ_i, AND AT CONSTANT DENSITY, ρ_i'

T (°K)	ρ_i/T* (10^{-8} Ω cm deg K^{-1})	ρ_i'/T† (10^{-8} Ω cm deg K^{-1})
8	$0{\cdot}080 \pm 0{\cdot}001$	—
10	$0{\cdot}138$	—
12	$0{\cdot}204$	—
14	$0{\cdot}278$	—
16	$0{\cdot}362$	—
18	$0{\cdot}450$	—
20	$0{\cdot}537$	—
25	$0{\cdot}758$	—
30	$0{\cdot}950_9$	$0{\cdot}943_8$
35	$1{\cdot}110_0 \pm 0{\cdot}0005$‡	$1{\cdot}098_9$
40	$1{\cdot}240_2$	$1{\cdot}224_4$
45	$1{\cdot}348_8$	$1{\cdot}327_8$
50	$1{\cdot}437_8$	$1{\cdot}410_9$
55	$1{\cdot}511_9$	$1{\cdot}478_9$
60	$1{\cdot}573_8$	$1{\cdot}534_3$
70	$1{\cdot}667_2$	$1{\cdot}611_8$
80	$1{\cdot}736_4$	$1{\cdot}661_0$
90	$1{\cdot}790_1$	$1{\cdot}692_4$
100	$1{\cdot}835_9$	$1{\cdot}715_5$
110	$1{\cdot}876_5$	$1{\cdot}732_6$
120	$1{\cdot}911_5$	$1{\cdot}743_5$
130	$1{\cdot}943_9$	$1{\cdot}751_8$
140	$1{\cdot}974_3$	$1{\cdot}757_7$
150	$2{\cdot}003_2$	$1{\cdot}761_8$
160	$2{\cdot}031_5$	$1{\cdot}765_4$
170	$2{\cdot}058_6$	$1{\cdot}767_3$
180	$2{\cdot}086_1$	$1{\cdot}769_2$
190	$2{\cdot}113_5$	$1{\cdot}771_1$
200	$2{\cdot}140_6$	$1{\cdot}771_6$
210	$2{\cdot}168_7$	$1{\cdot}772_5$
220	$2{\cdot}197_9$	$1{\cdot}774_1$
230	$2{\cdot}227_3$	$1{\cdot}774_9$
240	$2{\cdot}257_4$	$1{\cdot}776_6$
250	$2{\cdot}288_0$	$1{\cdot}778_0$
260	$2{\cdot}319_0$	$1{\cdot}779_4$
270	$2{\cdot}350_2$	$1{\cdot}780_5$
$273{\cdot}1_5$	$2{\cdot}360_1$	$1{\cdot}780_7$
280	$2{\cdot}383_2$	$1{\cdot}782_6$
290	$2{\cdot}418_2$	$1{\cdot}785_4$
$295{\cdot}1_5$	$2{\cdot}436_0$	$1{\cdot}786_3$

* There is no significant difference below 30 °K between ρ_i and ρ_i'.

† The random error for these results is the same as for ρ_i/T, but there is in addition a possible systematic error (arising from uncertainties in the P-V-T data) which, at the higher temperatures, may be about twice as big as the random error.

‡ The random error in these values remains at $\sim \pm 0{\cdot}0005$ above this temperature.