

Rheostats

(Potentiometers) Wirewound



MODEL C

| Model Type | Watts | Ohmic range | Core | Max. Voltage (RMS)* | Behind panel "B" (in./mm Ref.) | Diameter "D" (in./mm Ref.) | Dimension "C" (in./mm Ref.) | Shaft torque | Rotation (±5°) |
|------------|-------|-------------|----------|---------------------|--------------------------------|----------------------------|-----------------------------|----------------|----------------|
| C RCS/RCL | 7.5 | 10.0-5K | enclosed | 305 | 0.875/22.23 | 0.515/ 13.08 | — | 0.25-3 oz. in. | 300° |

• See Catalog #203 for complete details.



MODEL E

| Model Type | Watts | Ohmic range | Core | Max. Voltage (RMS)* | Behind panel "B" (in./mm Ref.) | Diameter "D" (in./mm Ref.) | Dimension "C" (in./mm Ref.) | Shaft torque | Rotation (±5°) |
|------------|-------|-------------|----------|---------------------|--------------------------------|----------------------------|-----------------------------|--------------|----------------|
| E RES/REL | 12.5 | 1.0-15K | open | 305 | 0.688/17.46 | 0.875/ 22.23 | 0.594/15.08 | 1-6 oz. in. | 300° |
| E REE | 12.5 | 1.0-15K | enclosed | 305 | 1.219/30.96 | 1.047/ 26.59 | — | 1-6 oz. in. | 300° |

• See Catalog #203 for complete details.



Dimensions for reference only; consult factory for details.

Since all rheostats/potentiometers are electro-mechanical devices, they are subject to mechanical wear and, therefore, have a finite life.

Models H, J, K, L and N are listed under UL File No. E-10946 and CSA File No. 21309 unless noted otherwise.

All rheostats are 10% tolerance.

Rheostats

(Potentiometers) Wirewound

MODELS H, J, G, K, L

| Model | Type | Watts | Ohmic range | Core | Max. Voltage (RMS)* | Behind panel "B" (in./mm Ref.) | Diameter "D" (in./mm Ref.) | Dimension "C" (in./mm Ref.) | Shaft torque | Rotation (±5°) |
|-------|---------|-------|-------------|------|---------------------|--------------------------------|----------------------------|-----------------------------|------------------|----------------|
| H | RHS/RHL | 25 | 1.0-25K | open | 500 | 1.375/34.93 | 1.560/ 39.62 | 0.940/23.88 | 0.25-0.5 lb. in. | 300° |
| J | RJS | 50 | 0.5-50K | open | 750 | 1.375/34.93 | 2.31 / 58.67 | 1.56 /39.62 | 0.25-2 lb. in. | 300° |
| G | RGS | 75 | 0.5-50K | open | 900 | 1.750/44.45 | 2.75 / 69.25 | 1.78 /45.21 | 0.5-2 lb. in. | 300° |
| K | RKS | 100 | 0.5-50K | open | 1000 | 1.750/44.45 | 3.125/ 79.38 | 1.91 /48.51 | 0.5-2 lb. in. | 300° |
| L | RLS | 150 | 0.5-50K | open | 1200 | 2.000 / 50.8 | 4.00 /101.60 | 2.28 /57.91 | 0.5-3 lb. in. | 300° |

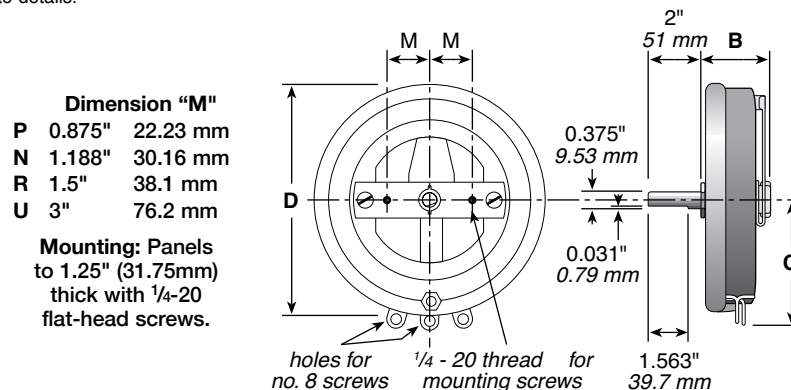
- Models H, J, G, and K also available in enclosed versions.
- See Catalog #203 for complete details.



MODELS P, N, R, U

| Model | Type | Watts | Ohmic range | Core | Max. Voltage (RMS)* | Behind panel "B" (in./mm Ref.) | Diameter "D" (in./mm Ref.) | Dimension "C" (in./mm Ref.) | Shaft torque | Rotation (±5°) |
|-------|------|-------|-------------|------|---------------------|--------------------------------|----------------------------|-----------------------------|---------------|----------------|
| P | RPS | 225 | 1.0-30K | open | 1300 | 2.125/53.98 | 5.00 /127.00 | 2.97 /75.44 | 2.5-4 lb. in. | 310° |
| N | RNS | 300 | 1.0-50K | open | 1225 | 2.375/60.33 | 6.00 /152.40 | 3.44 /87.38 | 2.5-5 lb. in. | 320° |
| R | RRS | 500 | 1.0-20K | open | 1450 | 2.125/53.98 | 8.00 /203.20 | 4.31/109.47 | 4.5-7 lb. in. | 325° |
| U | RUS | 1000 | 1.0-20K | open | 1600 | 3.000 / 76.2 | 12.00 /304.80 | 6.38/162.05 | 3.5-7 lb. in. | 335° |

- See Catalog #203 for complete details.



(continued)

Rheostats

(Potentiometers) Wirewound

ORDERING INFORMATION

| Code | Watts | Model | Shaft | Core |
|------|-------|-------|----------|----------|
| CL = | 7.5 | C | Locking | Enclosed |
| CS = | 7.5 | J | Standard | Enclosed |
| EE = | 12.5 | C | Standard | Enclosed |
| EL = | 12.5 | J | Locking | Open |
| ES = | 12.5 | C | Standard | Open |
| GS = | 75 | C | Standard | Open |
| HL = | 25 | H | Locking | Open |
| HS = | 25 | H | Standard | Open |
| JS = | 50 | J | Standard | Open |
| KS = | 100 | K | Standard | Open |
| LS = | 150 | L | Standard | Open |
| NS = | 300 | N | Standard | Open |
| PS = | 225 | P | Standard | Open |
| RS = | 500 | R | Standard | Open |
| US = | 1000 | U | Standard | Open |



Resistance Value*

Example:
 R50 = 0.50Ω
 1R0 = 1Ω
 7R5 = 7.5Ω
 250 = 250Ω
 1K0 = 1,000Ω
 1K75 = 1,750Ω
 4K5 = 4,500Ω
 50K = 50,000Ω

- RoHS compliant product available. Add "E" suffix to part number to specify.
- Made-to-order rheostats available: Contact nearest Ohmite sales office.
- * Voltage rating dependent on resistance value.

*Check table for standard resistance values and maximum current values

| Ohmic value | Part No. Prefix Suffix | 7.5W Model C | | | 12.5W Model E | | | 25W Model H | | | 50W Model J | 75W Model G | 100W Model K | 150W Model L | 225W Model P | 300W Model N | 500W Model R | 1000W Model U | | | | | | | |
|-------------|------------------------|--------------|-----|-----------|---------------|-----|-------|-------------|-----|-------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|-----------|-------|-----------|-----|-----------|-----|-----------|
| | | RCS | RCL | Amps max. | RES | REL | REE | Amps max. | RHS | RHL | Amps max. | RJS | Amps max. | RGS | Amps max. | RKS | Amps max. | RLS | Amps max. | RPS | Amps max. | RNS | Amps max. | RRS | Amps max. |
| 0.5 | —R50 | | | ✓ | ✓ | ✓ | 3.53 | ✓ | ✓ | 5.00 | ✓ | 12.3 | ✓ | 17.3 | ✓ | 15.0 | ✓ | 22.3 | ✓ | 31.6 | | | | | |
| 1 | —1R0 | | | ✓ | ✓ | ✓ | 3.53 | ✓ | ✓ | 5.00 | ✓ | 8.66 | ✓ | 12.3 | ✓ | 10.6 | ✓ | 18.2 | ✓ | 25.8 | | | | | |
| 1.5 | —1R5 | | | ✓ | ✓ | ✓ | 3.53 | ✓ | ✓ | 5.00 | ✓ | 6.12 | ✓ | 7.07 | ✓ | 8.65 | ✓ | 15.8 | ✓ | 22.4 | | | | | |
| 2 | —2R0 | | | ✓ | ✓ | ✓ | 2.24 | ✓ | ✓ | 2.88 | ✓ | 5.00 | ✓ | 5.75 | ✓ | 6.71 | ✓ | 14.1 | ✓ | 20.0 | | | | | |
| 2.5 | —2R5 | | | ✓ | ✓ | ✓ | 2.04 | ✓ | ✓ | 2.88 | ✓ | 3.16 | ✓ | 3.65 | ✓ | 4.47 | ✓ | 12.9 | ✓ | 18.3 | | | | | |
| 3 | —3R0 | | | ✓ | ✓ | ✓ | 1.25 | ✓ | ✓ | 1.77 | ✓ | 2.50 | ✓ | 2.50 | ✓ | 3.00 | ✓ | 11.2 | ✓ | 15.8 | | | | | |
| 4 | —4R0 | | | ✓ | ✓ | ✓ | 1.12 | ✓ | ✓ | 1.58 | ✓ | 2.04 | ✓ | 2.17 | ✓ | 2.450 | ✓ | 10.0 | ✓ | 14.1 | | | | | |
| 5 | —5R0 | | | ✓ | ✓ | ✓ | 0.91 | ✓ | ✓ | 1.29 | ✓ | 1.76 | ✓ | 1.50 | ✓ | 2.070 | ✓ | 9.0 | ✓ | 12.9 | | | | | |
| 6 | —6R0 | | | ✓ | ✓ | ✓ | 0.71 | ✓ | ✓ | 1.00 | ✓ | 1.73 | ✓ | 2.0 | ✓ | 2.400 | ✓ | 8.0 | ✓ | 11.2 | | | | | |
| 7.5 | —7R5 | | | ✓ | ✓ | ✓ | 0.60 | ✓ | ✓ | 0.845 | ✓ | 1.19 | ✓ | 2.50 | ✓ | 2.000 | ✓ | 7.0 | ✓ | 10.0 | | | | | |
| 8 | —8R0 | ✓ | ✓ | 0.86 | ✓ | ✓ | 0.71 | ✓ | ✓ | 1.00 | ✓ | 1.73 | ✓ | 2.0 | ✓ | 2.400 | ✓ | 6.30 | ✓ | 8.95 | | | | | |
| 10 | —10R | ✓ | ✓ | 0.71 | ✓ | ✓ | 0.60 | ✓ | ✓ | 0.845 | ✓ | 1.19 | ✓ | 2.50 | ✓ | 2.000 | ✓ | 5.60 | ✓ | 7.90 | | | | | |
| 12 | —12R | | | ✓ | ✓ | ✓ | 0.55 | ✓ | ✓ | 0.71 | ✓ | 1.00 | ✓ | 1.73 | ✓ | 2.000 | ✓ | 4.47 | ✓ | 6.33 | | | | | |
| 12.5 | —12R5 | | | ✓ | ✓ | ✓ | 0.46 | ✓ | ✓ | 0.60 | ✓ | 0.845 | ✓ | 1.19 | ✓ | 2.000 | ✓ | 3.54 | ✓ | 4.47 | | | | | |
| 15 | —15R | | | ✓ | ✓ | ✓ | 0.39 | ✓ | ✓ | 0.50 | ✓ | 0.707 | ✓ | 1.00 | ✓ | 1.735 | ✓ | 3.16 | ✓ | 4.47 | | | | | |
| 16 | —16R | | | ✓ | ✓ | ✓ | 0.32 | ✓ | ✓ | 0.40 | ✓ | 0.575 | ✓ | 0.790 | ✓ | 1.415 | ✓ | 2.52 | ✓ | 3.65 | | | | | |
| 22 | —22R | | | ✓ | ✓ | ✓ | 0.27 | ✓ | ✓ | 0.36 | ✓ | 0.500 | ✓ | 0.866 | ✓ | 1.225 | ✓ | 2.00 | ✓ | 3.16 | | | | | |
| 25 | —25R | | | ✓ | ✓ | ✓ | 0.32 | ✓ | ✓ | 0.445 | ✓ | 0.630 | ✓ | 1.00 | ✓ | 1.225 | ✓ | 1.69 | ✓ | 2.39 | | | | | |
| 35 | —35R | | | ✓ | ✓ | ✓ | 0.29 | ✓ | ✓ | 0.29 | ✓ | 0.575 | ✓ | 1.000 | ✓ | 1.22 | ✓ | 1.22 | ✓ | 2.11 | | | | | |
| 40 | —40R | | | ✓ | ✓ | ✓ | 0.22 | ✓ | ✓ | 0.22 | ✓ | 0.470 | ✓ | 0.865 | ✓ | 1.06 | ✓ | 1.06 | ✓ | 1.83 | | | | | |
| 50 | —50R | | | ✓ | ✓ | ✓ | 0.17 | ✓ | ✓ | 0.17 | ✓ | 0.316 | ✓ | 0.775 | ✓ | 0.866 | ✓ | 1.41 | ✓ | 1.83 | | | | | |
| 75 | —75R | | | ✓ | ✓ | ✓ | 0.16 | ✓ | ✓ | 0.222 | ✓ | 0.316 | ✓ | 0.500 | ✓ | 0.750 | ✓ | 1.00 | ✓ | 1.48 | | | | | |
| 80 | —80R | | | ✓ | ✓ | ✓ | 0.15 | ✓ | ✓ | 0.19 | ✓ | 0.267 | ✓ | 0.433 | ✓ | 0.500 | ✓ | 0.866 | ✓ | 1.48 | | | | | |
| 100 | —100 | | | ✓ | ✓ | ✓ | 0.12 | ✓ | ✓ | 0.16 | ✓ | 0.222 | ✓ | 0.388 | ✓ | 0.447 | ✓ | 0.548 | ✓ | 1.41 | | | | | |
| 125 | —125 | | | ✓ | ✓ | ✓ | 0.10 | ✓ | ✓ | 0.13 | ✓ | 0.182 | ✓ | 0.316 | ✓ | 0.365 | ✓ | 0.447 | ✓ | 1.15 | | | | | |
| 150 | —150 | | | ✓ | ✓ | ✓ | 0.10 | ✓ | ✓ | 0.13 | ✓ | 0.182 | ✓ | 0.316 | ✓ | 0.365 | ✓ | 0.447 | ✓ | 1.15 | | | | | |
| 160 | —160 | | | ✓ | ✓ | ✓ | 0.086 | ✓ | ✓ | 0.10 | ✓ | 0.155 | ✓ | 0.224 | ✓ | 0.316 | ✓ | 0.346 | ✓ | 1.00 | | | | | |
| 175 | —175 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 200 | —200 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 225 | —225 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 250 | —250 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 300 | —300 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 325 | —325 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 350 | —350 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 400 | —400 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 500 | —500 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 600 | —600 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 700 | —700 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 750 | —750 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 800 | —800 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 900 | —900 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1000 | —1K0 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1200 | —1K2 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1250 | —1K25 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1500 | —1K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1600 | —1K6 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1750 | —1K75 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 1800 | —1K8 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 2000 | —2K0 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 2250 | —2K25 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 2500 | —2K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 3000 | —3K0 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 3500 | —3K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 4500 | —4K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 5000 | —5K0 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 7500 | —7K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 8000 | —8K0 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 10000 | —10K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 12500 | —12K5 | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 15000 | —15K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 20000 | —20K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 25000 | —25K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 30000 | —30K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 40000 | —40K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |
| 50000 | —50K | | | ✓ | ✓ | ✓ | 0.071 | ✓ | ✓ | 0.090 | ✓ | 0.129 | ✓ | 0.224 | ✓ | 0.258 | ✓ | 0.387 | ✓ | 0.816 | | | | | |

✓ = Standard values; check availability
 Rheostats are silicone-ceramic coated at and above the following ohmic values:
 Model C: all
 Model E: 750Ω
 Model H: 2000Ω
 Model J: 5000Ω
 Model G: 5000Ω
 Model K: 5000Ω
 Model L: 7500Ω