



-

| Model Number | Size | Meter Movement |
|--------------|--------|-------------------|
| 2121, 2121T | 1-1/2" | Small Core Magnet |
| 2122, 2122T | 2-1/2" | Annular |
| 2123, 2123T | 3-1/2" | Annular |
| 2124, 2124T | 4-1/2" | Annular |

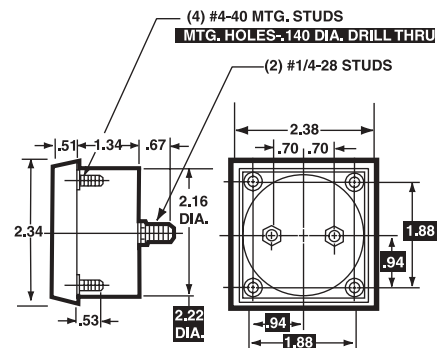
Compatibility Reference Table

| Manufacturer | Size/Model | | |
|---------------------------|------------|---------|---------|
| | 2-1/2" | 3-1/2" | 4-1/2" |
| Bee de QAS- | 25 | 35 | 45 |
| Crompton Amerint | 233 | 235 | 237 |
| Hoyt | 4025 | 4035 | 4045 |
| Modutec S Series | 2S- | 3S- | 4S- |
| Triplett G Series | 220-GL | 320-GL | 420-GL |
| Weston 2000 Series | 2021 | 2031 | 2041 |
| Yokogawa Horizon | 251-220 | 251-320 | 251-420 |

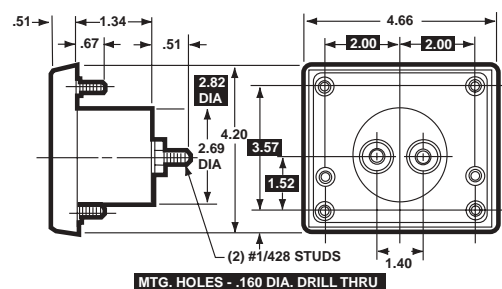
NOTE: "T" Model suffix used for taut-band movement

1 = Panel Meter Cut-out Dimensions

2-1/2"-Models 2122 & 2122T



4-1/2"-Models 2124 & 2124T



Specifications

| | |
|-------------------------------|---|
| Accuracy: | ±2% F.S. |
| Movement: | Annular self-shielding; all models except Model 2121 and 2121T with small core magnet |
| Suspension: | Models: 2121, 2122, 2123, 2124: pivot and jewel; Models: 2121T, 2122T, 2123T, 2124T: taut band |
| Tracking: | ±3% |
| Shielding: | Calibration is unaffected by magnetic panel mounting. |
| Response Time: | 1.5 seconds maximum |
| Overload (1 sec.): | 10 times F.S. |
| Overload (Continuous): | 1.5 times F.S. |
| Repeatability: | 2%: pivot and jewel; 0.5%: taut band |
| Dial: | Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used. |

| | |
|-------------------------------|---|
| Operating Temperature: | -4°F to +149°F (-20°C to +65°C) |
| Case: | High density black phenolic |
| Pointer: | Knife-edge, with black matte finish |
| Scale Length: | Model 2121 & 2121T: 1.25" (31.7mm) Model 2122 & 2122T: 2.07" (52.7mm) Model 2123 & 2123T: 2.75" (69.8mm) Model 2124 & 2124T: 4.09" (103.9mm) |
| Net Weight: | Model 2121 & 2121T: 2oz (0.06kg) Model 2122 & 2122T: 7oz (0.20kg) Model 2123 & 2123T: 8oz (0.23kg) Model 2124 & 2124T: 11oz (0.31kg) |

Ordering Information

DC Milliammeters Self-Shielding Meter Movement

| Range | Approx. Impedance (Ohms) | Model/Size and Catalog Number | | | |
|--------|--------------------------|-------------------------------|-------------------|-------------------|-------------------|
| | | 1-1/2" Model 2121 | 2-1/2" Model 2122 | 3-1/2" Model 2123 | 4-1/2" Model 2124 |
| 0-1 | 43.0 | 17825 | 17430 | 17510 | 17600 |
| 0-3 | 2.0 | <> | 17431 | 17511 | 17601 |
| 0-5 | 2.0 (20)† | 17826 | 17432 | 17512 | 17602 |
| 0-10 | 10.0 (2.2)† | 17827 | 17433 | 17513 | 17603 |
| 0-15 | 6.6 (2.2)† | 17828 | 17434 | <> | <> |
| 0-20 | 5.0 | <> | <> | 17515 | <> |
| 0-25 | 4.0 (6.0)† | 17829 | 17436 | 17516 | 17606 |
| 0-50 | 2.0 (3.0)† | 17830 | 17437 | 17517 | 17607 |
| 0-100 | 1.0 (1.5)† | 17832 | 17438 | 17518 | 17608 |
| 0-150 | .66 (1.0)† | 17833 | 17439 | 17519 | 17609 |
| 0-200 | .50 (.75)† | 17834 | 17440 | 17520 | 17610 |
| 0-250 | .40 (.60)† | 17835 | 17441 | 17521 | 17611 |
| 0-300 | .33 (.50)† | 17836 | 17442 | 17522 | 17612 |
| 0-500 | .20 (.30)† | 17837 | 17443 | 17523 | 17613 |
| 0-750 | .13 | <> | <> | 17524 | 17614 |
| 0-1000 | .05 | <> | 17444 | <> | 17615 |

<> Available on special order.

† Resistances of Model 2121 shown in ()

DC Current Meters Self-Shielding Meter Movement

| Range | Approx. Impedance (Ohms) | Model/Size and Catalog Number | | | |
|---------|--------------------------|-------------------------------|-------------------|-------------------|-------------------|
| | | 1-1/2" Model 2121 | 2-1/2" Model 2122 | 3-1/2" Model 2123 | 4-1/2" Model 2124 |
| 0-1 | .050 | 17800 | 17400 | 17475 | 17565 |
| 0-1.5 | .003 | <> | 17401 | 17476 | <> |
| 0-2 | .025 | 17801 | 17402 | 17477 | 17567 |
| 0-3 | .0166 | 17802 | 17403 | 17478 | 17568 |
| 0-5 | .010 | 17803 | 17404 | 17479 | 17569 |
| 0-10 | .005 | 17805 | 17405 | 17480 | 17570 |
| 0-15 | .0033 | 17806† | 17406 | 17481 | 17571 |
| 0-25 | .0020 | 17807† | 17407 | 17482 | 17572 |
| 0-30 | .0017 | <> | 17408 | 17483 | 17573 |
| 0-50 | .001 | 17808† | 17409 | 17484 | 17574 |
| 0-100 | 10.0 | <> | 17410† | 17485† | 17575† |
| 0-150 | 10.0 | <> | <> | 17486† | 17576† |
| 0-200 | 10.0 | <> | 17412† | 17487† | 17577† |
| 0-300 | 10.0 | <> | <> | 17488† | 17578† |
| 0-500 | 10.0 | <> | <> | 17489† | 17579† |
| 15-0-15 | .0033 | <> | <> | 17490 | <> |
| 30-0-30 | .0017 | <> | <> | 17491 | <> |

† 1-1/2" DC current meters are self-contained through 10 amps. 15 amps and higher are supplied as 50mV meters to be used with external shunts. 2-1/2", 3-1/2" and 4-1/2" DC current meters are self-contained through 50 amps. Higher range DC current meters are 50mV meters to be used with external shunts. <> Available on special order.

DC Microammeters Self-Shielding Meter Movement

| Range | Approx. Impedance (Ohms) | Model/Size and Catalog Number | | | |
|-----------|--------------------------|-------------------------------|-------------------|-------------------|-------------------|
| | | 1-1/2" Model 2121 | 2-1/2" Model 2122 | 3-1/2" Model 2123 | 4-1/2" Model 2124 |
| 0-50 | 1800 (5500)† | 17815 | 17418 | 17499 | 17589 |
| 0-100 | 1800 | 17816 | 17420 | 17501 | 17591 |
| 0-200 | 1100 | 17818 | 17422 | 17503 | 17593 |
| 0-500 | 90 (190)† | 17819 | 17424 | 17505 | 17595 |
| 25-0-25 | 1800 (5500)† | 17820 | <> | 17506 | 17596 |
| 50-0-50 | 1800 | 17821 | 17425 | 17507 | 17597 |
| 100-0-100 | 1100 | 17822 | 17426 | 17508 | 17598 |
| 500-0-500 | 43 | 17823 | 17427 | 17509 | 17599 |

<> Available on special order.

† Resistances of Model 2121 shown in ()

Taut-Band DC Microammeters Self-Shielding Meter Movement

| Range | Approx. Impedance (Ohms) | Model/Size and Catalog Number | | | |
|-------|--------------------------|-------------------------------|--------------------|--------------------|--------------------|
| | | 1-1/2" Model 2121T | 2-1/2" Model 2122T | 3-1/2" Model 2123T | 4-1/2" Model 2124T |
| 0-5 | 5750 | — | — | 17495 | 17585 |
| 0-10 | 4900 | — | 17415 | 17496 | 17586 |
| 0-15 | 1960 | <> | 17416 | 17497 | 17587 |
| 0-25 | 1960 | <> | 17417 | 17498 | 17588 |
| 0-50 | 960 | <> | 17419 | 17500 | 17590 |
| 0-100 | 500 | <> | 17421 | 17502 | 17592 |
| 0-200 | 234 | <> | 17423 | <> | 17594 |

<> Available on special order.

Function Reference Table

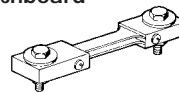
For your convenience, the table below lists Century models for other electrical monitoring functions and page reference.

| Function | Section | Page |
|------------|---------|------|
| AC Current | E | 15 |
| AC Voltage | E | 35 |
| DC Voltage | E | 75 |
| Watts | E | 107 |

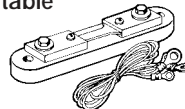
Accessories

External Portable and Switchboard Shunts

Switchboard



Portable



These shunts are adjusted for a 50 millivolt drop for use with switchboard and panel current meters where external shunts are required. Portable shunts have a phenolic base and accept up to 200 amperes. Accuracy ±1%, 5' leads (0.065 Ω resistance) included.

Please refer to the Accessory Section of this Engineering Application Guide for detail and ordering information.