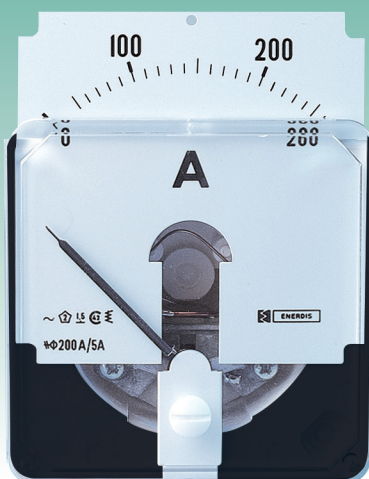


# AC AMMETER



## 90° DEFLECTION

**Standard-scale model**

**Accuracy class:** 1.5

**Measuring component:** moving iron  
50-60-400 Hz and rectified moving coil  
50-10,000 Hz

Pseudo-linear scale (moving iron)

Interchangeable dial, except 144 x 144

**Consumption:** 1 VA

**Motor-scale model**

**Accuracy class:** 1.5

**Measuring component:** moving iron 50-60-400 Hz

Pseudo-linear scale

Calibrated 0-In up to 2/3 of deflection, with overload zone beyond. Interchangeable 90° dial, except 144 x 144 format

**Consumption:** 1 VA

## 250° DEFLECTION

**Standard-scale model**

**Accuracy class:** 1.5

**Measuring component:** rectified moving coil  
50-10,000 Hz

Linear scale. With additional unit «A» in 48 x 48 format

**Consumption:** 0.5 VA

**Motor-scale model**

**Accuracy class:** 1.5

**Measuring component:** rectified moving coil  
50-10,000 Hz

Linear scale

Calibrated 0-In up to 2/3 of deflection, with overload zone beyond

With additional unit «A» in 48 x 48 format

**Consumption:** 0.5 VA

## FEASIBILITY LIMITS

|                   |                       | Deflection  | 90°          |         |         | 250°         |         |         |
|-------------------|-----------------------|-------------|--------------|---------|---------|--------------|---------|---------|
|                   |                       |             | 48 x 48      | 72 x 72 | 96 x 96 | 48 x 48      | 72 x 72 | 96 x 96 |
| Direct connection |                       |             |              |         |         |              |         |         |
| Standard scale    | moving iron           | 0.5 to 15 A | 0.5 to 50 A  |         |         |              |         |         |
|                   | moving coil           |             | 1 mA to 25 A |         |         | 1 mA to 25 A |         |         |
| Motor scale       | moving iron 2 to 6 In | 0.5 to 12 A | 0.5 to 40 A  |         |         |              |         |         |
|                   | moving coil 2/3/5 In  |             |              |         |         | 0.5 to 20 A  |         |         |
| Connection on CT  |                       |             |              |         |         |              |         |         |
| Standard scale    | moving iron           |             | 1 to 6.6 A   |         |         |              |         |         |
|                   | moving coil           |             | 1.3 to 6.6 A |         |         | 1.2 to 6.6 A |         |         |
| Motor scale       | moving iron 2 to 6 In |             | 1 A and 5 A  |         |         |              |         |         |
|                   | moving coil 2/3/5 In  |             |              |         |         | 1 A and 5 A  |         |         |

## DIRECT CONNECTION

| Deflection |            | 90° (iron. 50 Hz) |           |           | 250°    |         |         |
|------------|------------|-------------------|-----------|-----------|---------|---------|---------|
| Format     |            | 48 x 48           | 72 x 72   | 96 x 96   | 48 x 48 | 72 x 72 | 96 x 96 |
| Rating     | Scale In   |                   |           |           |         |         |         |
| 5 A        | 0-5 A      | ■                 | A90A 0302 | A90A 0502 | ■       | ■       | ■       |
| 10 A       | 0-10 A     | ■                 | A90A 0303 | A90A 0503 | ■       | ■       | ■       |
| 20 A       | 0-20 A     |                   | A90A 0304 | A90A 0504 |         | ■       | ■       |
| 30 A       | 0-30 A     |                   | A90A 0305 | A90A 0505 |         |         |         |
| 50 A       | 0-50 A     |                   | A90A 0307 | A90A 0507 |         |         |         |
| Rating     | Scale 3 In |                   |           |           |         |         |         |
| 5 A        | 0-5/15 A   | ■                 |           | A90A 0533 | ■       | ■       | ■       |
| 10 A       | 0-10/30 A  | ■                 |           | A90A 0534 | ■       | ■       | ■       |
| 20 A       | 0-20/60 A  |                   | ■         | A90A 0535 |         | ■       | ■       |
| 30 A       | 0-30/90 A  |                   | ■         | A90A 0536 |         |         |         |
| 40 A       | 0-40/120 A |                   | ■         | A90A 0537 |         |         |         |
| Rating     | Scale 5 In |                   |           |           |         |         |         |
| 5 A        | 0-5/25 A   |                   | ■         | ■         |         | ■       | ■       |

## CUSTOMIZED PRODUCT

|          | Instrument     | Deflection/Motor scale | Format             | Scale                     | Rating CT ratio           | Frequency      |
|----------|----------------|------------------------|--------------------|---------------------------|---------------------------|----------------|
| Examples | Complete meter | 90° iron<br>250° coil  | 72 x 72<br>96 x 96 | 0-15/90A<br>0-1.25/2.5 kA | direct 15A<br>CT 1250/5 A | 50 Hz<br>60 Hz |

## CONNECTION ON CT 5 A

| Deflection |                | Iron. 50 Hz - 90°             |           |           | Iron 50 Hz - 90°     |           |           | 250°                 |         |           |
|------------|----------------|-------------------------------|-----------|-----------|----------------------|-----------|-----------|----------------------|---------|-----------|
|            |                | Panel meter and dial separate |           |           | Complete panel meter |           |           | Complete panel meter |         |           |
| Format     |                | 48 x 48                       | 72 x 72   | 96 x 96   | 48 x 48              | 72 x 72   | 96 x 96   | 48 x 48              | 72 x 72 | 96 x 96   |
| Rapport    | Scale          | Panel meter only              |           |           |                      |           |           |                      |         |           |
|            |                | A90A 0487                     | A90A 0486 | A90A 0485 |                      |           |           |                      |         |           |
| CT         | 1,3 In         | Dial only                     |           |           |                      |           |           |                      |         |           |
| 5/5 A      | 0-6,5 A        | CADR 0136                     | CADR 0702 | CADR 0492 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 10/5 A     | 0-13 A         | CADR 0137                     | CADR 0703 | CADR 0493 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 15/5 A     | 0-20 A         | CADR 0138                     | CADR 0704 | CADR 0494 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 20/5 A     | 0-26 A         | CADR 0111                     | CADR 0461 | CADR 0441 | A90A 0211            | A90A 0311 | A90A 0511 | ■                    | ■       | A250 0611 |
| 25/5 A     | 0-32,5 A       | CADR 0110                     | CADR 0701 | CADR 0486 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 30/5 A     | 0-40 A         | CADR 0112                     | CADR 0462 | CADR 0442 | A90A 0212            | A90A 0312 | A90A 0512 | ■                    | ■       | A250 0612 |
| 40/5 A     | 0-52 A         | CADR 0113                     | CADR 0463 | CADR 0443 | A90A 0213            | A90A 0313 | A90A 0513 | ■                    | ■       | A250 0613 |
| 50/5 A     | 0-65 A         | CADR 0114                     | CADR 0464 | CADR 0444 | A90A 0214            | A90A 0314 | A90A 0514 | ■                    | ■       | A250 0614 |
| 60/5 A     | 0-80 A         | CADR 0115                     | CADR 0465 | CADR 0445 | A90A 0215            | A90A 0315 | A90A 0515 | ■                    | ■       | A250 0615 |
| 75/5 A     | 0-100 A        | CADR 0116                     | CADR 0466 | CADR 0446 | A90A 0216            | A90A 0316 | A90A 0516 | ■                    | ■       | A250 0616 |
| 100/5 A    | 0-130 A        | CADR 0117                     | CADR 0467 | CADR 0447 | A90A 0217            | A90A 0317 | A90A 0517 | ■                    | ■       | A250 0617 |
| 125/5 A    | 0-165 A        | CADR 0118                     | CADR 0468 | CADR 0448 | A90A 0218            | A90A 0318 | A90A 0518 | ■                    | ■       | A250 0618 |
| 150/5 A    | 0-200 A        | CADR 0119                     | CADR 0469 | CADR 0449 | A90A 0219            | A90A 0319 | A90A 0519 | ■                    | ■       | A250 0619 |
| 200/5 A    | 0-260 A        | CADR 0120                     | CADR 0470 | CADR 0450 | A90A 0220            | A90A 0320 | A90A 0520 | ■                    | ■       | A250 0620 |
| 250/5 A    | 0-325 A        | CADR 0121                     | CADR 0471 | CADR 0451 | A90A 0221            | A90A 0321 | A90A 0521 | ■                    | ■       | A250 0621 |
| 300/5 A    | 0-400 A        | CADR 0122                     | CADR 0472 | CADR 0452 | A90A 0222            | A90A 0322 | A90A 0522 | ■                    | ■       | A250 0622 |
| 400/5 A    | 0-520 A        | CADR 0123                     | CADR 0473 | CADR 0453 | A90A 0223            | A90A 0323 | A90A 0523 | ■                    | ■       | A250 0623 |
| 500/5 A    | 0-650 A        | CADR 0124                     | CADR 0474 | CADR 0454 | A90A 0224            | A90A 0324 | A90A 0524 | ■                    | ■       | A250 0624 |
| 600/5 A    | 0-800 A        | CADR 0125                     | CADR 0475 | CADR 0455 | A90A 0225            | A90A 0325 | A90A 0525 | ■                    | ■       | A250 0625 |
| 750/5 A    | 0-1 kA         | CADR 0126                     | CADR 0476 | CADR 0456 | A90A 0226            | A90A 0326 | A90A 0526 | ■                    | ■       | A250 0626 |
| 800/5 A    | 0-1,04 kA      | CADR 0135                     | CADR 0481 | CADR 0487 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 1000/5 A   | 0-1,3 kA       | CADR 0127                     | CADR 0477 | CADR 0457 | A90A 0227            | A90A 0327 | A90A 0527 | ■                    | ■       | A250 0627 |
| 1250/5 A   | 0-1,65 kA      | CADR 0128                     | CADR 0478 | CADR 0458 | A90A 0228            | A90A 0328 | A90A 0528 | ■                    | ■       | A250 0628 |
| 1500/5 A   | 0-2 kA         | CADR 0129                     | CADR 0479 | CADR 0459 | A90A 0229            | A90A 0329 | A90A 0529 | ■                    | ■       | A250 0629 |
| 2000/5 A   | 0-2,6 kA       | CADR 0130                     | CADR 0480 | CADR 0460 | A90A 0230            | A90A 0330 | A90A 0530 | ■                    | ■       | A250 0630 |
| 2500/5 A   | 0-3,25 kA      | CADR 0131                     | CADR 0482 | CADR 0488 | ■                    | A90A 0331 | A90A 0531 | ■                    | ■       | ■         |
| 3000/5 A   | 0-4 kA         | CADR 0132                     | CADR 0483 | CADR 0489 | ■                    | A90A 0332 | A90A 0532 | ■                    | ■       | ■         |
| 4000/5 A   | 0-5,2 kA       | CADR 0133                     | CADR 0484 | CADR 0490 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 5000/5 A   | 0-6,5 kA       | CADR 0134                     | CADR 0485 | CADR 0491 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| Rapport    | Scale          | Panel meter only              |           |           |                      |           |           |                      |         |           |
|            |                | A90A 0107                     | A90A 0106 | A90A 0105 |                      |           |           |                      |         |           |
| CT         | 3 In           | Dial only                     |           |           |                      |           |           |                      |         |           |
| 5/5 A      | 0-5/15 A       | CADR 0139                     | CADR 0169 | CADR 0059 | A90A 0239            | A90A 0339 | A90A 0539 | ■                    | ■       | A250 0639 |
| 10/5 A     | 0-10/30 A      | CADR 0140                     | CADR 0170 | CADR 0060 | A90A 0240            | A90A 0340 | A90A 0540 | ■                    | ■       | A250 0640 |
| 15/5 A     | 0-15/45 A      | CADR 0141                     | CADR 0171 | CADR 0061 | A90A 0241            | A90A 0341 | A90A 0541 | ■                    | ■       | A250 0641 |
| 20/5 A     | 0-20/60 A      | CADR 0142                     | CADR 0172 | CADR 0062 | A90A 0242            | A90A 0342 | A90A 0542 | ■                    | ■       | A250 0642 |
| 25/5 A     | 0-25/75 A      | CADR 0167                     | CADR 0168 | CADR 0087 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 30/5 A     | 0-30/90 A      | CADR 0143                     | CADR 0173 | CADR 0063 | A90A 0243            | A90A 0343 | A90A 0543 | ■                    | ■       | A250 0643 |
| 40/5 A     | 0-40/120 A     | CADR 0144                     | CADR 0174 | CADR 0064 | A90A 0244            | A90A 0344 | A90A 0544 | ■                    | ■       | A250 0644 |
| 50/5 A     | 0-50/150 A     | CADR 0145                     | CADR 0175 | CADR 0065 | A90A 0245            | A90A 0345 | A90A 0545 | ■                    | ■       | A250 0645 |
| 60/5 A     | 0-60/180 A     | CADR 0146                     | CADR 0176 | CADR 0066 | A90A 0246            | A90A 0346 | A90A 0546 | ■                    | ■       | A250 0646 |
| 75/5 A     | 0-75/225 A     | CADR 0147                     | CADR 0177 | CADR 0067 | A90A 0247            | A90A 0347 | A90A 0547 | ■                    | ■       | A250 0647 |
| 100/5 A    | 0-100/300 A    | CADR 0148                     | CADR 0178 | CADR 0068 | A90A 0248            | A90A 0348 | A90A 0548 | ■                    | ■       | A250 0648 |
| 125/5 A    | 0-125/375 A    | CADR 0149                     | CADR 0179 | CADR 0069 | A90A 0249            | A90A 0349 | A90A 0549 | ■                    | ■       | A250 0649 |
| 150/5 A    | 0-150/450 A    | CADR 0150                     | CADR 0180 | CADR 0070 | A90A 0250            | A90A 0350 | A90A 0550 | ■                    | ■       | A250 0650 |
| 200/5 A    | 0-200/600 A    | CADR 0151                     | CADR 0181 | CADR 0071 | A90A 0251            | A90A 0351 | A90A 0551 | ■                    | ■       | A250 0651 |
| 250/5 A    | 0-250/750 A    | CADR 0152                     | CADR 0182 | CADR 0072 | A90A 0252            | A90A 0352 | A90A 0552 | ■                    | ■       | A250 0652 |
| 300/5 A    | 0-300/900 A    | CADR 0153                     | CADR 0183 | CADR 0073 | A90A 0253            | A90A 0353 | A90A 0553 | ■                    | ■       | A250 0653 |
| 400/5 A    | 0-0,4/1,2 kA   | CADR 0154                     | CADR 0184 | CADR 0074 | A90A 0254            | A90A 0354 | A90A 0554 | ■                    | ■       | A250 0654 |
| 500/5 A    | 0-0,5/1,5 kA   | CADR 0155                     | CADR 0185 | CADR 0075 | A90A 0255            | A90A 0355 | A90A 0555 | ■                    | ■       | A250 0655 |
| 600/5 A    | 0-0,6/1,8 kA   | CADR 0156                     | CADR 0186 | CADR 0076 | ■                    | A90A 0356 | A90A 0556 | ■                    | ■       | ■         |
| 750/5 A    | 0-0,75/2,25 kA | CADR 0157                     | CADR 0187 | CADR 0077 | ■                    | A90A 0357 | A90A 0557 | ■                    | ■       | ■         |
| 800/5 A    | 0-0,80/2,4 kA  | CADR 0158                     | CADR 0188 | CADR 0078 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 1000/5 A   | 0-1/3 kA       | CADR 0159                     | CADR 0189 | CADR 0079 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 1200/5 A   | 0-1,2/3,6 kA   | CADR 0160                     | CADR 0190 | CADR 0080 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 1500/5 A   | 0-1,5/4,5 kA   | CADR 0161                     | CADR 0191 | CADR 0081 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 2000/5 A   | 0-2/6 kA       | CADR 0162                     | CADR 0192 | CADR 0082 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 2500/5 A   | 0-2,5/7,5 kA   | CADR 0163                     | CADR 0193 | CADR 0083 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 3000/5 A   | 0-3/9 kA       | CADR 0164                     | CADR 0194 | CADR 0084 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 4000/5 A   | 0-4/12 kA      | CADR 0165                     | CADR 0195 | CADR 0085 | ■                    | ■         | ■         | ■                    | ■       | ■         |
| 5000/5 A   | 0-5/15 kA      | CADR 0166                     | CADR 0196 | CADR 0086 | ■                    | ■         | ■         | ■                    | ■       | ■         |

## ASSOCIATED PRODUCTS



## Accessories

Seal, ring fastener, dial, sleeve, etc.  
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## Current transformers

Cable primary, busbar primary, closed core or split core, etc.  
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