

## Wide-Vue Analog Panel Meters

- UL Recognized - File # E91015  
Except for the Wattmeters & Frequency Meters
- Clear acrylic window for wide viewing area
- Rugged black plastic case
- Black spade pointer for easy distant reading
- Optional: Behind-panel mounting bezel kit



The Specification and Dimensions are on pages 8, 9 & 10

### Ordering Information

| AC Milliammeters Iron Vane Movement |                                        |                              |                        |                        |
|-------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|
| Range                               | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                        |                        |
|                                     |                                        | 2 - 1/2"<br>Model 1257       | 3 - 1/2"<br>Model 1357 | 4 - 1/2"<br>Model 1359 |
| 0 - 10                              | 1,650                                  | 06294                        | 06625                  | 06665                  |
| 0 - 50                              | 80                                     | 06295                        | 06630                  | 06670                  |
| 0 - 100                             | 17.2                                   | 06296                        | 06640                  | 06680                  |
| 0 - 250                             | 3.15                                   | 06297                        | 06650                  | 06690                  |
| 0 - 500                             | 0.9                                    | 06300                        | 06660                  | 06699                  |
| 0 - 1000                            | .213                                   | < >                          | 35065                  | < >                    |
| < > Available on special order      |                                        |                              |                        |                        |

# Wide-View Analog Panel Meters

## Ordering Information

| <b>AC Ammeters Iron Vane Movement</b> |                                        |                              |                        |                        |
|---------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|
| Range                                 | Approx.<br>Impedance<br>(Ohms ) @ 60Hz | Model / Size and Catalog No. |                        |                        |
|                                       |                                        | 2 - 1/2"<br>Model 1257       | 3 - 1/2"<br>Model 1357 | 4 - 1/2"<br>Model 1359 |
| 0 - 1                                 | .213                                   | 02560                        | 03130                  | 03260                  |
| 0 - 1.5                               | .105                                   | 02570                        | 03140                  | 03270                  |
| 0 - 2                                 | .065                                   | < >                          | 03150                  | 03280                  |
| 0 - 3                                 | .025                                   | 02575                        | 03160                  | 03290                  |
| 0 - 5                                 | .008                                   | 02580                        | 03170                  | 03300                  |
| 0 - 10                                | .004                                   | 02590                        | 03180                  | 03310                  |
| 0 - 10                                | .008                                   | < >                          | 35073 *                | 35077 *                |
| 0 - 15                                | .0025                                  | 02599                        | 03190                  | 03320                  |
| 0 - 25                                | .002                                   | 02609                        | 03200                  | 03330                  |
| 0 - 25                                | .008                                   | < >                          | 35074 *                | 35078 *                |
| 0 - 30                                | .0015                                  | 02615                        | 03205                  | 03335                  |
| 0 - 50                                | .001                                   | 02619                        | 03210                  | 03340                  |
| 0 - 50                                | .008                                   | < >                          | 35075 *                | 35079 *                |
| 0 - 75                                | .0002                                  | < >                          | 03215                  | 03345                  |
| 0 - 75                                | .008                                   | < >                          | 35076 *                | 35080 *                |
| 0 - 100                               | .008                                   | 02622 *                      | 03220 *                | 03350 *                |
| 0 - 150                               | .008                                   | 02624 *                      | 03230 *                | 03360 *                |
| 0 - 200                               | .008                                   | 02626 *                      | 03240 *                | 03370 *                |
| 0 - 300                               | .008                                   | 02627 *                      | 03250 *                | 03380 *                |
| < > Available on special order        |                                        |                              |                        |                        |

\* These meters are 5 amp meters to be used with an external current transformer.

Additional current transformer ranges can be achieved through wrapping the primary and secondary wires.

| <b>AC Dual Range Ammeter/Voltmeter</b> |                                        |                              |                        |                        |
|----------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|
| Range                                  | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                        |                        |
|                                        |                                        | 2 - 1/2"<br>Model 1257       | 3 - 1/2"<br>Model 1357 | 4 - 1/2"<br>Model 1359 |
| 0 - 150V<br>and 0 - 5A                 | 15030<br>and .021                      | -----                        | 03129                  | 03259                  |
| < > Available on special order         |                                        |                              |                        |                        |

# Wide-Vue Analog Panel Meters

## Ordering Information

| <b>AC Voltmeters Iron Vane Movement</b> |                                        |                              |                        |                        |
|-----------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|
| Range                                   | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                        |                        |
|                                         |                                        | 2 - 1/2"<br>Model 1257       | 3 - 1/2"<br>Model 1357 | 4 - 1/2"<br>Model 1359 |
| 0 - 5                                   | 33                                     | < >                          | 10160                  | 10260                  |
| 0 - 10                                  | 133                                    | 09670                        | 10170                  | 10270                  |
| 0 - 15                                  | 300                                    | 09675                        | 10180                  | 10280                  |
| 0 - 25                                  | 833                                    | 09680                        | 10190                  | 10290                  |
| 0 - 50                                  | 3,333                                  | 09690                        | 10200                  | 10300                  |
| 0 - 100                                 | 16,333                                 | 09695                        | 10210                  | 10310                  |
| 0 - 150                                 | 25,000                                 | 09700                        | 10220                  | 10320                  |
| 0 - 250                                 | 41,166                                 | 09705                        | 10230                  | 10330                  |
| 0 - 300                                 | 50,000                                 | 09710                        | 10240                  | 10340                  |
| 0 - 500                                 | 83,333                                 | 09715 *                      | 10250 *                | 10350 *                |
| < > Available on special order          |                                        |                              |                        |                        |

\* External multipliers (model 183) are furnished on AC meters having a range of 500 volts or higher.

| AC Voltmeters Rectified Self-Shielding Movement |                                        |                              |                        |                        |
|-------------------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|
| Range                                           | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                        |                        |
|                                                 |                                        | 2 - 1/2"<br>Model 1247       | 3 - 1/2"<br>Model 1347 | 4 - 1/2"<br>Model 1349 |
| 0 - 5                                           | 2000<br>Ohms<br>Per<br>Volt            | 10015                        | 10020                  | 10090                  |
| 0 - 10                                          |                                        | 10016                        | 10030                  | 10100                  |
| 0 - 15                                          |                                        | < >                          | 10040                  | 10110                  |
| 0 - 50                                          |                                        | < >                          | 10050                  | 10120                  |
| 0 - 150                                         |                                        | 10017                        | 10060                  | 10130                  |
| 0 - 300                                         |                                        | 10018                        | 10070                  | 10140                  |
| < > Available on special order                  |                                        |                              |                        |                        |

# Wide-View Analog Panel Meters

## Ordering Information

| DC Microammeters Self-Shielding Movement |                                        |          |                              |                        |                        |                        |
|------------------------------------------|----------------------------------------|----------|------------------------------|------------------------|------------------------|------------------------|
| Range                                    | Approx.<br>Impedance<br>(Ohms) @ 60 Hz |          | Model / Size and Catalog No. |                        |                        |                        |
|                                          |                                        |          | 1 - 1/2"<br>Model 1212       | 2 - 1/2"<br>Model 1227 | 3 - 1/2"<br>Model 1327 | 4 - 1/2"<br>Model 1329 |
| 0 - 50                                   | 1800                                   | (5500) * | 04294                        | 04310                  | 04380                  | 04480                  |
| 0 - 100                                  | 1800                                   |          | 04295                        | 04320                  | 04390                  | 04490                  |
| 0 - 200                                  | 1100                                   |          | 04296                        | 04330                  | 04400                  | 04500                  |
| 0 - 500                                  | 90                                     | (190) *  | 04297                        | 04340                  | 04410                  | 04510                  |
| 25 - 0-25                                | 1800                                   |          | 04298                        | < >                    | 04420                  | 04520                  |
| 50-0-50                                  | 1800                                   | (5500) * | 04302                        | 04350                  | 04430                  | 04530                  |
| 100-0-100                                | 1100                                   |          | 04300                        | 04351                  | 04440                  | 04540                  |
| 500-0-500                                | 43                                     |          | 04301                        | 04352                  | 04450                  | 04550                  |
| * Impedance of Model 1212 shown in ( )   |                                        |          |                              |                        |                        |                        |
| < > Available on special order           |                                        |          |                              |                        |                        |                        |

| DC Taut-Band Microammeters Self Shielding Movement |                                        |                              |                         |                         |                         |
|----------------------------------------------------|----------------------------------------|------------------------------|-------------------------|-------------------------|-------------------------|
| Range                                              | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                         |                         |                         |
|                                                    |                                        | 1 - 1/2"<br>Model 1212T      | 2 - 1/2"<br>Model 1227T | 3 - 1/2"<br>Model 1327T | 4 - 1/2"<br>Model 1329T |
| 0 - 10                                             | 4900                                   | < >                          | 04303                   | 04359                   | 04459                   |
| 0 - 15                                             | 1960 (5500) *                          | 04601                        | 04304                   | 04361                   | 04461                   |
| 0 - 25                                             | 1960                                   | 04602                        | 04306                   | 04371                   | 04471                   |
| 0 - 50                                             | 960                                    | 04603                        | 04311                   | 04381                   | 04481                   |
| 0 - 100                                            | 500                                    | 04604                        | 04321                   | 04391                   | 04491                   |
| 0 - 200                                            | 234                                    | 04605                        | 04331                   | 04401                   | 04501                   |
| * Impedance of Model 1212 shown in ( )             |                                        |                              |                         |                         |                         |
| < > Available on special order                     |                                        |                              |                         |                         |                         |

# Wide-Vue Analog Panel Meters

## Ordering Information

| DC Milliammeters Self-Shielding Movement |                                  |         |                              |                     |                     |                     |
|------------------------------------------|----------------------------------|---------|------------------------------|---------------------|---------------------|---------------------|
| Range                                    | Approx. Impedance (Ohms) @ 60 Hz |         | Model / Size and Catalog No. |                     |                     |                     |
|                                          |                                  |         | 1 - 1/2" Model 1212          | 2 - 1/2" Model 1227 | 3 - 1/2" Model 1327 | 4 - 1/2" Model 1329 |
| 0 - 1                                    | 43.0                             |         | 06163                        | 06175               | 06310               | 06470               |
| 0 - 3                                    | 2.0                              |         | < >                          | 06180               | 06320               | 06480               |
| 0 - 5                                    | 2.0                              | (20) †  | 06164                        | 06190               | 06330               | 06490               |
| 0 - 10                                   | 10.0                             | (2.2) † | 06165                        | 06200               | 06340               | 06495               |
| 0 - 15                                   | 6.6                              | (2.2) † | 06166                        | 06210               | 06350               | 06502               |
| 0 - 20                                   | 5.0                              |         | < >                          | 06215               | 06360               | 06524               |
| 0 - 25                                   | 4.0                              | (6.0) † | 06167                        | 06220               | 06370               | 06530               |
| 0 - 50                                   | 2.0                              | (3.0) † | 06168                        | 06230               | 06380               | 06540               |
| 0 - 100                                  | 1.0                              | (1.5) † | 06169                        | 06240               | 06390               | 06550               |
| 0 - 150                                  | .66                              | (1.0) † | 06170                        | 06250               | 06400               | 06560               |
| 0 - 200                                  | .50                              | (.75) † | 06171                        | 06260               | 06410               | 06570               |
| 0 - 250                                  | .40                              | (.60) † | 06172                        | 06270               | 06420               | 06580               |
| 0 - 300                                  | .33                              | (.50) † | 06173                        | 06280               | 06430               | 06590               |
| 0 - 500                                  | .20                              | (.30) † | 06174                        | 06290               | 06440               | 06600               |
| 0 - 750                                  | .13                              |         | < >                          | < >                 | 06450               | 06610               |
| 0 - 1000                                 | .05                              |         | < >                          | 06292               | 06460               | 06620               |
| † Impedance of Model 1212 shown in ( )   |                                  |         |                              |                     |                     |                     |
| < > Available on special order           |                                  |         |                              |                     |                     |                     |

| DC Ammeters Self-Shielding Movement |                                  |                              |                     |                     |                     |
|-------------------------------------|----------------------------------|------------------------------|---------------------|---------------------|---------------------|
| Range                               | Approx. Impedance (Ohms) @ 60 Hz | Model / Size and Catalog No. |                     |                     |                     |
|                                     |                                  | 1 - 1/2" Model 1212          | 2 - 1/2" Model 1227 | 3 - 1/2" Model 1327 | 4 - 1/2" Model 1329 |
| 0 - 1                               | .050                             | 02431                        | 02440               | 02640               | 02820               |
| 0 - 1.5                             | .033                             | < >                          | 02450               | 02650               | 02830               |
| 0 - 2                               | .025                             | 02432                        | 02460               | 02660               | 02840               |
| 0 - 3                               | .0166                            | 02433                        | 02470               | 02670               | 02850               |
| 0 - 5                               | .010                             | 02434                        | 02480               | 02680               | 02860               |
| 0 - 10                              | .005                             | 02435                        | 02490               | 02690               | 02870               |
| 0 - 15                              | .0033 *                          | 02436 †                      | 02500               | 02700               | 02880               |
| 0 - 25                              | .0020 *                          | 02437 †                      | 02510               | 02710               | 02890               |
| 0 - 30                              | .0017                            | < >                          | 02520               | 02720               | 02900               |
| 0 - 50                              | .001 *                           | 02438 †                      | 02530               | 02730               | 02910               |
| 0 - 100                             | 10.0                             | < >                          | 02540 †             | 02740 †             | 02920 †             |
| 0 - 150                             | 10.0                             | < >                          | 02550 †             | 02750 †             | 02930 †             |
| 0 - 200                             | 10.0                             | < >                          | 02552 †             | 02760 †             | 02940 †             |
| 0 - 300                             | 10.0                             | < >                          | 02554 †             | 02770 †             | 02950 †             |
| 0 - 500                             | 10.0                             | < >                          | < >                 | 02780 †             | 02960 †             |
| 15-0-15                             | .0033                            | < >                          | < >                 | 02790               | < >                 |
| 30-0-30                             | .0017                            | < >                          | < >                 | 02800               | < >                 |
| 50-0-50                             | .001                             | < >                          | < >                 | 02810               | < >                 |

† 1 - 1/2" DC current meters are self-contained through 10 amps.

15 amps and higher are supplied as 50 mV 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 50 mV meters to be used with external shunts.

< > Available on special order

\* Model 1212 only - 10 Ohms

# Wide-View Analog Panel Meters

## Ordering Information

| Wattmeters / Dynamometer Type |         |      | Not  |
|-------------------------------|---------|------|---------------------------------------------------------------------------------------|
| Range                         | Maximum |      | Model / Size and Catalog No.                                                          |
|                               | Volts   | Amps | 4 - 1/2" Model 1379                                                                   |
| 0 - 10                        | 150     | .175 | 10930 *                                                                               |
| 0 - 20                        | 150     | .400 | 10940 *                                                                               |
| 0 - 75                        | 150     | 1.0  | 10960                                                                                 |
| 0 - 150                       | 150     | 2.0  | 10970                                                                                 |
| 0 - 300                       | 150     | 4.0  | 10975                                                                                 |
| 0 - 600                       | 300     | 4.0  | 10980                                                                                 |
| 0 - 750                       | 150     | 10.0 | 10990                                                                                 |
| 0 - 1500                      | 300     | 10.0 | 11000                                                                                 |
| 0 - 3000                      | 300     | 20.0 | 11010                                                                                 |

\* Compensated wattmeters:

Calibrated for either magnetic or non-magnetic panels and for a frequency of 25 - 125 Hz

| DC Millivoltmeters Self-Shielding Movement |                                  |                              |                     |                     |                     |
|--------------------------------------------|----------------------------------|------------------------------|---------------------|---------------------|---------------------|
| Range                                      | Approx. Impedance (Ohms) @ 60 Hz | Model / Size and Catalog No. |                     |                     |                     |
|                                            |                                  | 1 - 1/2" Model 1212          | 2 - 1/2" Model 1227 | 3 - 1/2" Model 1327 | 4 - 1/2" Model 1329 |
| 0 - 50                                     | 10.0                             | 07005                        | 07010               | 07020               | 07030               |
| 50-0-50                                    | 20.0                             | < >                          | < >                 | 07021               | 07031               |
| < > Available on special order             |                                  |                              |                     |                     |                     |

| DC Voltmeters    Self-Shielding Movement |                                        |                              |                        |                        |                        |
|------------------------------------------|----------------------------------------|------------------------------|------------------------|------------------------|------------------------|
| Range                                    | Approx.<br>Impedance<br>(Ohms) @ 60 Hz | Model / Size and Catalog No. |                        |                        |                        |
|                                          |                                        | 1 - 1/2"<br>Model 1212       | 2 - 1/2"<br>Model 1227 | 3 - 1/2"<br>Model 1327 | 4 - 1/2"<br>Model 1329 |
| 0 - 5                                    | 1000<br>Ohms<br>Per<br>Volt            | 09540                        | 09550                  | 09720                  | 09870                  |
| 0 - 8                                    |                                        | < >                          | < >                    | 09730                  | 09880                  |
| 0 - 10                                   |                                        | 09541                        | 09560                  | 09740                  | 09890                  |
| 0 - 15                                   |                                        | 09542                        | 09570                  | 09750                  | 09900                  |
| 0 - 25                                   |                                        | 09543                        | 09580                  | 09760                  | 09910                  |
| 0 - 30                                   |                                        | 09544                        | 09590                  | 09770                  | 09920                  |
| 0 - 50                                   |                                        | 09545                        | 09600                  | 09780                  | 09930                  |
| 0 - 100                                  |                                        | 09546                        | 09610                  | 09790                  | 09940                  |
| 0 - 150                                  |                                        | 09547                        | 09620                  | 09800                  | 09950                  |
| 0 - 200                                  |                                        | < >                          | 09622                  | 09810                  | 09960                  |
| 0 - 250                                  |                                        | < >                          | 09623                  | 09820                  | 09970                  |
| 0 - 300                                  |                                        | < >                          | 09630                  | 09830                  | 09980                  |
| 0 - 300                                  | 2000<br>Ohms<br>Per<br>Volt            | 09548                        | < >                    | < >                    | < >                    |
| 0 - 500                                  |                                        | 09549 *                      | 09640                  | 09840                  | 09990                  |
| 0 - 750                                  |                                        | < >                          | 09650 *                | 09850                  | 10000                  |
| 0 - 1000                                 |                                        | < >                          | 09660 *                | 09860 *                | 10010 *                |
| < > Available on special order           |                                        |                              |                        |                        |                        |

\* External multipliers (Model 183) are furnished

on 1 - 1/2" DC Meters 500 volts or higher;

on 2 - 1/2" DC Meters 750 volts or higher;

and on 3 - 1/2" and 4 - 1/2" DC Meters 1000 volts or higher.

All others have self-contained multipliers.

# Wide-View Analog Panel Meters

## Ordering Information

| Percent Motor Load Meters                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                        |                        |                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------|------------------------|------------------------|
| Type                                                      | Rating                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Model / Size and Catalog No. |                        |                        |                        |
|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 - 1/2"<br>Model 1327       | 3 - 1/2"<br>Model 1357 | 4 - 1/2"<br>Model 1329 | 4 - 1/2"<br>Model 1359 |
| DC (Note 1)                                               | 30 mV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 07028                        |                        | 07029                  |                        |
| AC (Note 2)                                               | 5 amps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | 03171                  |                        | 03301                  |
| Note 1:                                                   | <p>DC load meters require an external shunt and potentiometer (not supplied). Use 8 to 10Ω, 2 watt wire-wound potentiometer.</p> <p>The appropriate shunt should be selected from accessory section and ordered separately.</p> <p>To select the proper shunt, first obtain the full load current rating of your motor from the name plate, manufacturer's specifications of N.E.C. listing. Multiply that rating by 1.25 and select and order the shunt with an amps rating as large or slightly larger than the calculated value.</p> <p>Installation and calibration instructions are included with the meter .</p> |                              |                        |                        |                        |
| Note 2:                                                   | <p>AC load meters must be used with external donut transformers. Complete instructions for proper selection are included with each AC load meter.</p> <p>Advance assistance in selecting the appropriate transformer and determining the correct primary / secondary turns ratio can be obtained from a Simpson technical service representative or authorized service center.</p>                                                                                                                                                                                                                                     |                              |                        |                        |                        |
| Meters come with color coded dial.                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                        |                        |                        |
| Green 0 - 100%      Yellow 100 - 125%      Red 125 - 150% |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                        |                        |                        |

| 4 - 20mA Process Meters |          |       |             |
|-------------------------|----------|-------|-------------|
| Size                    | Scale    | Model | Catalog No. |
| 3 - 1/2"                | 0 - 100% | 1327  | 35025       |
| 4 - 1/2"                | 0 - 100% | 1329  | 35026       |

| Frequency Meters |         | Self-Shielding Movement      |                        |                        | Not  |
|------------------|---------|------------------------------|------------------------|------------------------|------------------------------------------------------------------------------------------|
| Range            | Voltage | Model / Size and Catalog No. |                        |                        |                                                                                          |
|                  |         | 2 - 1/2"<br>Model 1287       | 3 - 1/2"<br>Model 1387 | 4 - 1/2"<br>Model 1389 |                                                                                          |
| 45 - 55 Hz       | 120V    | 35100                        | 35106                  | 35112                  |                                                                                          |
| 55 - 65 Hz       | 120V    | 35102                        | 35108                  | 35114                  |                                                                                          |
| 380 - 420 Hz     | 120V    | 35104                        | 35110                  | 35116                  |                                                                                          |
| 45 - 55 Hz       | 240V    | 35101                        | 35107                  | 35113                  |                                                                                          |
| 55 - 65 Hz       | 240V    | 35103                        | 35109                  | 35115                  |                                                                                          |
| 380 - 420 Hz     | 240V    | 35105                        | 35111                  | 35117                  |                                                                                          |

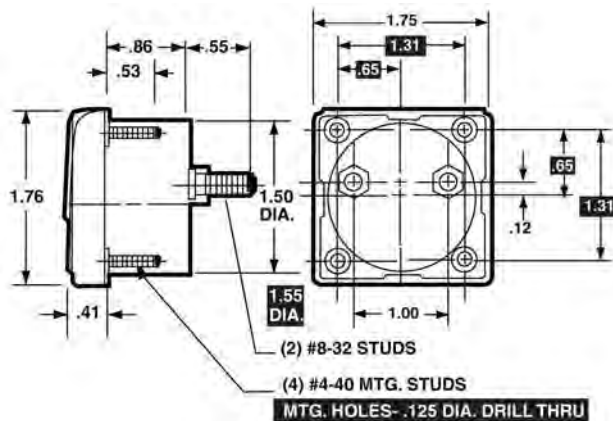
## Wide-Vue Analog Panel Meters

| Specifications        |                                                                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy              | ± 2% F.S. (Iron-Vane), ± 3 F.S. (Rectified)                                                                                                                                                                                                                          |
| Movement              | Models 1212, 1212T: Small Core Magnet<br>Models 1247, 1347, 1349: Annular, rectifier<br>Models 1257, 1357, 1359: Iron-vane, magnetically damped                                                                                                                      |
| 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%: AC Current, DC Process<br>3%: AC Voltage, DC Voltage, Wattmeters<br>0.5%: DC Current                                                                                                                                                                             |
| Dial                  | Sharp clear scale.<br>Each dial arc is calibrated to track the specific type of movement used.                                                                                                                                                                       |
| Resistance            | ± 15% of meter impedance                                                                                                                                                                                                                                             |
| Operating Temperature | - 4°F to + 149°F (- 20°C to + 65°C)                                                                                                                                                                                                                                  |
| Case                  | High density black plastic                                                                                                                                                                                                                                           |
| Pointer               | Model 1212: Black lance<br>All other models: Spade with black matte finish                                                                                                                                                                                           |
| Scale Length          | Model 1212, 1212T: 1.50" (38.1mm)<br>Model 1227, 1227T, 1247, 1257: 2.30" (58.4mm)<br>Model 1327, 1327T, 1347, 1357, 1377: 3.14" (79.9mm)<br>Model 1329, 1329T, 1349, 1359, 1379: 3.93" (100mm)                                                                      |
| Net Weight            | Model 1212, 1212T: 2 oz. (0.06 kg)<br>Model 1257: 4 oz. (0.11 kg)<br>Model 1359: 5 oz. (0.14 kg)<br>Model 1227, 1227T: 6 oz. (0.17 kg)<br>Model 1327, 1327T, 1347: 8 oz. (0.23 kg)<br>Model 1329, 1329T, 1349, 1377: 9 oz. (0.26 kg)<br>Model 1379: 10 oz. (0.28 kg) |

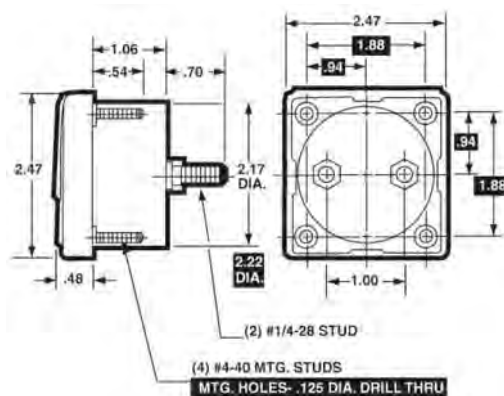
# Wide-Vue Analog Panel Meters

## Dimensions

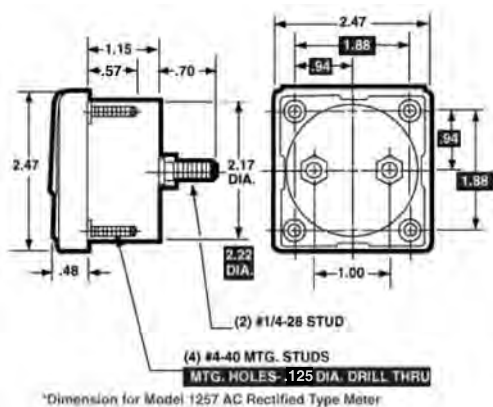
### 1 - 1/2" Model 1212, 1212T



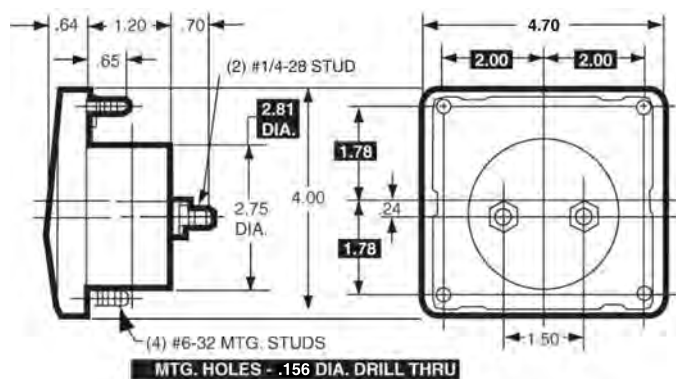
### 2 - 1/2" Model 1287



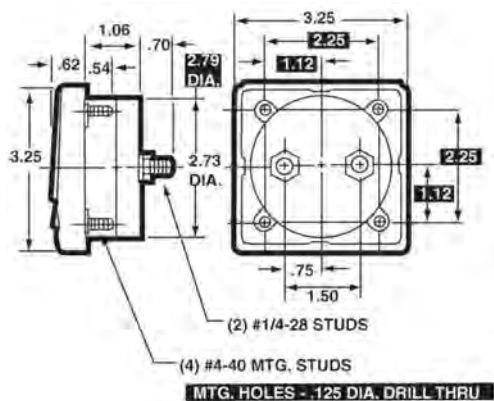
### 2 - 1/2" Model 1227, 1227T, 1247, 1257



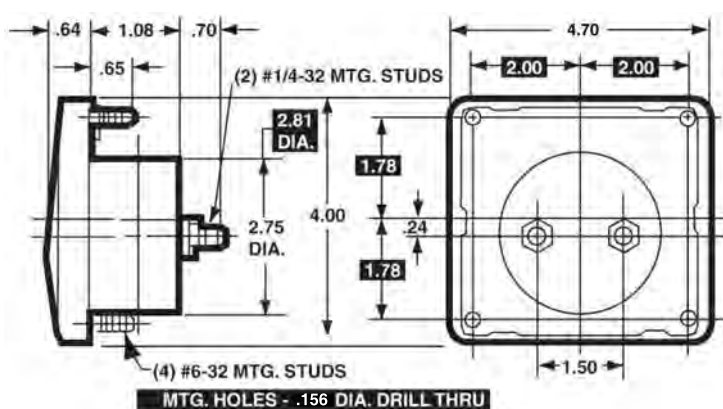
### 4 - 1/2" Model 1329, 1329T, 1349, 1359



### 3 - 1/2" Model 1387



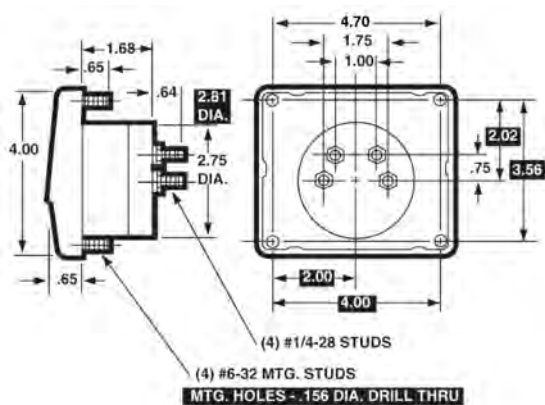
### 4 - 1/2" Model 1389



## Wide-Vue Analog Panel Meters

### Dimensions

#### 4 - 1/2" Model 1379



#### 3 - 1/2" Model 1327, 1327T, 1347, 1357

