## Specifications



## - Wide Variety of Control, Alarm, and Limit Use

- Calibration Not Affected by Steel Panel Mounting
- Rugged Metal Case for Rigorous Environments
- Commercially-Sealed, Moisture and Dust Proof


## Dimensions

4-1/2"-Model 3344AIXA \& 3324AIXA


Accuracy: Movement:
Suspension:
Tracking:
Repeatability:
Shielding:
Response Time:
Overload (1 sec.):
Overload (Continuous):
Dial:

Case:
Voltage Drop:
Pointer:
Scale Length
Net Weight:
Control Point(s)
Adjustments:

Switching:
Differential:
Auto/Manual Reset: Frequency Response: $\quad 50-1000 \mathrm{~Hz}$
Power: 108-132 VAC, $50-400 \mathrm{~Hz}$
Operating Temperature: $+41^{\circ} \mathrm{F}$ to $122^{\circ} \mathrm{F}\left(5^{\circ} \mathrm{C}\right.$ to $\left.+50^{\circ} \mathrm{C}\right)$
Circuit-to-Ground
Voltage:
NOTE:
"On," "Off" difference is within $0.5 \%$ of F.S. Latching function can be enabled independently for each relay by removing jumpers on terminal block
Contacts/Output Relay: DPDT relay contacts for each control point; Each set of contacts rated at $5 \mathrm{amps}, 120 / 240$ VAC resistive.
AC: $\pm 3 \%$ of full scale; DC: $\pm 2 \%$ F.S. Annular, self-shielding
Pivot and jewel $\pm 3 \%$
Within 0.5\% F.S.
Calibration is unaffected by magnetic panel mounting
1.5 seconds maximum above 10 mA

AC: 7 amps ; DC: 10 times F.S.
AC: 7 amps, DC: 1.5 times F.S.
Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used.

Sealed metal, plastic window
50 mV
Black, knife-edge
4.05" (103.0mm)

17 oz ( 0.48 kg )
Single, high limit, 0-100\% of arc; double, low limit 0$95 \%$ of arc; high limit 5-100\% of arc Adjustable to within $4^{\circ}$ of each other

250 V rms maximum
DC meters meet ANSI specification C-39.1


RELAY ADJUST BUTTON. 75 DIA. PROTRUDING
. 19 ABOVE BEXEL LOCATED .97 BELOW METER CENTER LINE, AND . 98 LEFT AND/OR RIGHT OF THE METER CENTER LINE AS APPUCABLE. 3300 Series Rugged Seal Meter Relay

## Ordering Information

AC Voltmeters Rectified, Self-Shielding Movement

|  |  | Model/Size and Catalog Number |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Approx. <br> Resistance <br> (ohms) | 3-1/2" Model <br> 3343AIXA |  | $4-1 / 2 "$ Model <br> 3344AIXA |  |
| Range |  | Single Set point <br> (High Limit) | Dual <br> Set point | Single Setpoint <br> (High Limit) | Dual <br> Set point |
| $0-10$ | 200 k | 21675 | 21635 | 21679 | 21639 |
| $0-150$ | 3 M | 21676 | 21636 | 21680 | 21640 |
| $0-300$ | 6 M | 21681 | 21641 | 21682 | 21642 |

<> Available on special order.
DC Microammeters, Self-Shielding Movement

| Range | Approx. Resistance (ohms) | Model/Size and Catalog Number |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 3-1/2" Model 3323AIXA |  | 4-1/2" Model 3324AIXA |  |
|  |  | Single Set point (High Limit) | Dual Set point | Single Set point (High Limit) | Dual Set point |
| 0-25 | 2 k | 21658 | 21618 | <> | <> |
| 0-50 | 1 k | 21659 | 21619 | 21666 | 21626 |
| 0-100 | 500 | 21660 | 21620 | 21667 | 21627 |

<> Available on special order.
DC Milliammeters, Self-Shielding Movement

|  |  | Model/Size and Catalog Number |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  | $3-1 / 2 " ~ M o d e l ~$ <br> $3323 A I X A ~$ |  | $4-1 / 2 "$ Model <br> 3324AIXA |  |
| Range | Approx. <br> Resistance <br> (ohms) | Single Set point <br> (High Limit) | Dual <br> Set Point | Single Set point <br> (High Limit) | Dual <br> Set Point |
| $0-1$ | 50 | 21661 | 21621 | 21668 | 21628 |

## DC Millivoltmeters, Self-Shielding Movement

| Ranges | Approx. Resistance (ohms) | Model/Size and Catalog Number |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \hline \text { 3-1/2" Model } \\ & 3323 A I X A \end{aligned}$ |  | $\begin{aligned} & \hline \text { 4-1/2" Model } \\ & \text { 3324AIXA } \end{aligned}$ |  |
|  |  | Single Set point (High Limit) | Dual Set point | Single Set point (High Limit) | $\begin{gathered} \text { Dual } \\ \text { Set point } \end{gathered}$ |
| 0-50 | 1 k | 21663 | 21623 | 21670 | 21630 |

DC Voltmeters, Self-Shielding Movement

|  |  | Model/Size and Catalog Number |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  | $3-1 / 2 "$ Model <br> Approx. |  | 323 AIXA |  |

<> Available on special order

DC Ammeters, Self-Shielding Movement

|  |  | Model/Size and Catalog Number |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  | $3-1 / 2^{\prime \prime}$ Model <br> 3323AIXA |  | $4-1 / 2^{\prime \prime}$ Model <br> 3324AIXA |  |
| Approx. <br> RangeImpedance <br> (ohms) | Single Set <br> point (High | Dual <br> Set Point | Single Set <br> Point | Dual <br> Set Point |  |
| $0-5$ | .01 | 21662 | 21622 | 21669 | 21629 |

AC Ammeters Rectifier, Self-Shielding Movement

| Range | Approx. <br> Impedance (ohms) | Model/Size and Catalog Number |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { 3-1/2" Model } \\ \text { 3343AIXA } \end{gathered}$ |  | $\begin{aligned} & \text { 4-1/2" Model } \\ & \text { 3344AIXA } \end{aligned}$ |  |
|  |  | Single Set point (High | Dual Set Point | Single Set point (High |  |
| 0-5 | . 01 | 21673 | 21633 | 21677 | 21637 |

Percent Motor Load Self-Shielding Movement

| Scale | Range F.S. | Catalog Number <br> Single Set point <br> (High Limit) | Catalog Number <br> Double Set point | Model |
| :--- | :---: | :---: | :---: | :---: |
| $0-150 \%^{*}$ | 10 VAC | $21684^{*}$ | $21644^{*}$ | 3344 AIXA 4-1/2" |
| $0-150 \%^{* *}$ | 5 amp AC | $21683^{* *}$ | $21643^{* *}$ | 3344 AIXA 4-1/2" |
| $0-150 \%^{* *}$ | 5 amp AC | $35096^{* *}$ | $35097^{* *}$ | 3343 AIXA 3-1/2" |

* Use with Model 186 current transformers, pages C4-C6
** Use with current transformers, page C4
Temperature Meters
Specifications


Thermocouples are not supplied. Available separately from Accessory Section, page C2

