

3300 Series Rugged Seal Meter Relay

- Wide Variety of Control, Alarm, and Limit Use
- Calibration Not Affected by Steel Panel Mounting
- Rugged Metal Case for Rigorous Environments



Ordering Information -

AC Voltmeters Rectified, Self-Shielding Movement					
Range	Approx. Resistance (ohms)	Model/Size and Catalog Number			
		3-1/2" Model 3343AIXA		4-1/2" Model 3344AIXA	
		Single Set point (High Limit)	Dual Set point	Single Set point (High Limit)	Dual Set point
0 - 10	200k	21675	21635	21679	21639
0 - 150	3M	21676	21636	21680	21640
0 - 300	6M	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	2k	21658	21618	<>	<>
0 - 50	1k	21659	21619	21666	21626
0 - 100	500	21660	21620	21667	21627

<> Available on special order

DC Milliammeters, 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 - 1	50	21661	21621	21668	21628



3300 Series Rugged Seal Meter Relay

Ordering Information -

DC Millivoltmeters, 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 - 50	1k	21663	21623	21670	21630

DC Voltmeters, 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 - 1	20k	21664	21624	21671	21631
0 - 50	1M	21665	21625	21672	21632

DC Ammeters, Self-Shielding Movement					
Range	Approx. Impedance (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 - 5	.01	21662	21622	21669	21629

AC Ammeters Rectifier, Self-Shielding Movement					
Range	Approx. Impedance (ohms)	Model/Size and Catalog Number			
		3-1/2" Model 3343AIXA		4-1/2" Model 3344AIXA	
		Single Set point (High Limit)	Dual Set point	Single Set point (High Limit)	Dual Set point
0 - 5	.01	21673	21633	21677	21637

Percent Motor Load, Self-Shielding Movement				
Scale	Range F.S.	Catalog Number Single Set point (High Limit)	Catalog Number 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				
** Use with current transformers				



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Specifications	
Accuracy	AC: $\pm 3\%$ of full scale; DC: $\pm 2\%$ F.S.
Movement	Annular, self-shielding
Suspension	Pivot and jewel
Tracking	$\pm 3\%$
Repeatability	Within 0.5% F.S.
Shielding	Calibration is unaffected by magnetic panel mounting
Response Time	1.5 seconds maximum above 10mA
Overload (1 sec.)	AC: 7 amps; DC: 10 times F.S.
Overload (Continuous)	AC: 7 amps; DC: 1.5 times F.S.
Dial	Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used
Case	Sealed metal, plastic window
Voltage Drop	50mV
Pointer	Black, knife-edge
Scale Length	4.05" (103.0mm)
Net Weight	17oz (0.48kg)
Control Point(s)	Single, high limit, 0-100% of arc; Double, low limit
Adjustments	0-95% of arc; high limit 5-100% of arc Adjustable to within 4° of each other
Switching	Within 1% of indication
Differential	"On," "Off" difference is within 0.5% of F.S.
Auto/Manual Reset	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 amps, 120/240 VAC resistive
Frequency Response	50 to 60 Hz Special calibration available at 400 Hz, contact Simpson Electric
Power	108-132 VAC; 50-400Hz; 215-245 VAC available on request, contact Simpson Electric
Operating Temperature	+41°F to 122°F (5°C to +50°C)
Circuit-to-Ground Voltage	250V rms maximum
NOTE:	DC meters meet ANSI specification C-39.1