



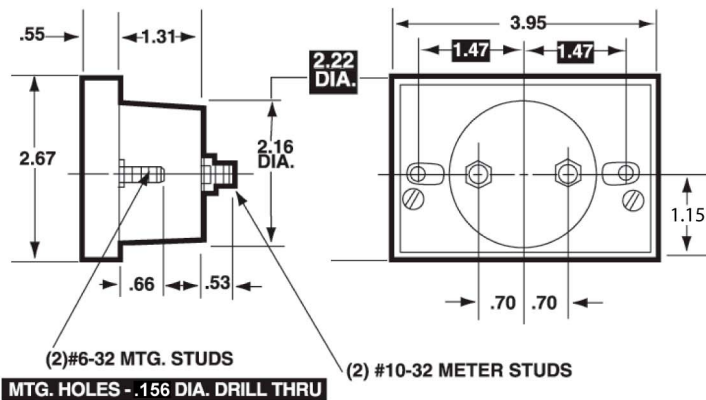
- **Clean, uncluttered design offers maximum visibility in minimum required height**
- **Glass window for optimum viewing**
- **Rugged black plastic case**
- **Red knife-edge pointer for precision readability**

Specifications

Accuracy:	±2% F.S.
Movement:	AC/Iron-vane, magnetically damped, DC Annular
Tracking:	±3%
Response Time:	1.5 seconds maximum
Overload (1 sec.):	10 times F.S.
Overload (Continuous):	1.5 times F.S.
Repeatability:	2%, 5% for taut band
Dial:	Sharp clear scale. Each dial arc is calibrated to track the specific type of movement used.
Case:	High density black plastic
Resistance:	±15% of meter impedance
Operating Temperature:	-4°F to +149°F (-20°C to +65°C)
Pointer:	Red, knife-edge
Scale Length:	Model 553: 2.69" (68.3mm) 523: 2.92" (74.2mm) Model 554: 2.84" (72.1mm) 524: 3.25" (82.5mm)
Net Weight:	Model 553: 5oz (0.14kg) 523: 9 oz (0.26kg) Model 554: 6oz (0.17kg) 524: 10 oz (0.28kg)

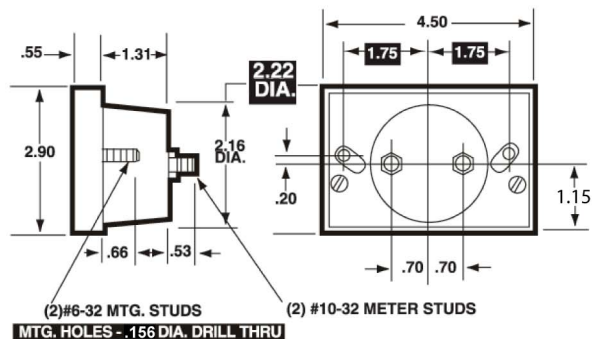
Dimensions

3-1/2" - Models 523, 523T, 553



1 = Panel Meter Cut-out Dimensions

4-1/2" - Model 524, 524T, 554



Ordering Information

AC Ammeters, Iron-Vane Movement

Range	Approx. Impedance (Ohms) @60Hz	Model/Size and Catalog Number	
		3-1/2" Model 553	4-1/2" Model 554
0-1	.213	15049	15121
0-5	.008	15050	15120
0-10	.004	15052	15122
0-15	.0025	15051	15123
0-25	.002	15053	15125
0-50	.001	15054	15124
0-100	.008	15056 †	15127 †
0-150	.008	15057 †	15128 †

† Requires external current transformer

Ordering Information

AC Voltmeters Iron-Vane Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 553	4-1/2" Model 554
0-150 *	25,000	15060	15130
0-250 *	41,166	15061	15131
0-300 *	50,000	15062	15132

*Rectifier movements are available on special order.

DC Microammeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523	4-1/2" Model 524
0-50	1800	15017	15087
0-100	1800	15019	15089
0-200	1100	15021	15091
0-500	90	15022	15093
25-0-25	1800	15023	15094
50-0-50	1800	15025	15095
100-0-100	1100	15027	15097
500-0-500	43	15024	15096

DC Taut-Band Microammeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523T	4-1/2" Model 524T
0-15	1960	15014	15092
0-25	2100	15015	15085

DC Milliammeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523	4-1/2" Model 524
0-1	43.0	15000	15070
0-5	2.0	15001	15076
0-10	10.0	15002	15077
0-50	2.0	15003	15078
0-100	1.0	15010	15080
0-200	.5	15004	15079
0-300	.33	15012	15081
0-500	.2	15013	15082

DC Ammeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523	4-1/2" Model 524
0-1	.050	15031	15101
0-3	.0166	15032	15102
0-5	.010	15033	15103
0-10	.005	15030	15100
0-15	.0033	15034	15104
0-25	.0020	15035	15105
0-50	.001	15036	15106

DC Millivoltmeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523	4-1/2" Model 524
0-50	10.0	15048	15118

DC Voltmeters Self-Shielding Movement

Range	Approx. Impedance (Ohms) @ 60 Hz	Model/Size and Catalog Number	
		3-1/2" Model 523	4-1/2" Model 524
0-5	1000 ohms per volt	15038	15108
0-10		15039	15109
0-15		15040	15110
0-30		15042	15112
0-50		15044	15114
0-100		15045	15111
0-150		15046	15116

Mouser Electronics

Authorized Distributor

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Simpson:

<u>15132</u>	<u>15112</u>	<u>15116</u>	<u>15114</u>	<u>15130</u>	<u>15118</u>	<u>15111</u>	<u>15131</u>	<u>15110</u>	<u>15101</u>	<u>15100</u>	<u>15105</u>	<u>15102</u>	<u>15121</u>	<u>15108</u>
<u>15109</u>	<u>15120</u>	<u>15104</u>	<u>15123</u>	<u>15122</u>	<u>15124</u>	<u>15103</u>	<u>15125</u>	<u>15128</u>	<u>15127</u>	<u>15106</u>	<u>15076</u>	<u>15079</u>	<u>15077</u>	<u>15078</u>
<u>15070</u>	<u>15051</u>	<u>15019</u>	<u>15094</u>	<u>15013</u>	<u>15015</u>	<u>15021</u>	<u>15024</u>	<u>15092</u>	<u>15052</u>	<u>15030</u>	<u>15027</u>	<u>15097</u>	<u>15034</u>	<u>15038</u>
<u>15031</u>	<u>15091</u>	<u>15096</u>	<u>15033</u>	<u>15039</u>	<u>15093</u>	<u>15036</u>	<u>15017</u>	<u>15053</u>	<u>15010</u>	<u>15032</u>	<u>15057</u>	<u>15023</u>	<u>15012</u>	<u>15095</u>
<u>15050</u>	<u>15035</u>	<u>15014</u>	<u>15054</u>	<u>15022</u>	<u>15025</u>	<u>15056</u>	<u>15082</u>	<u>15046</u>	<u>15004</u>	<u>15080</u>	<u>15061</u>	<u>15044</u>	<u>15042</u>	<u>15002</u>
<u>15049</u>	<u>15060</u>	<u>15062</u>	<u>15045</u>	<u>15001</u>	<u>15081</u>	<u>15087</u>	<u>15040</u>	<u>15003</u>	<u>15085</u>	<u>15089</u>	<u>15048</u>			