
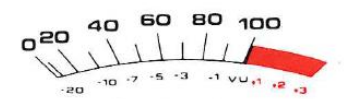




## Jewell Instruments MAS Catalog 2014

Meter Size		1½" Rectangular	2½" Rectangular	3½" Rectangular
Range	Resistance (ohms) ±20	Catalog #	Catalog #	Catalog #
<b>DC MILLIAMMETERS – Zero left</b>				
0-1	2300	1MAS-DMA-001	2MAS-DMA-001	3MAS-DMA-001
0-2	970	1MAS-DMA-002	2MAS-DMA-002	3MAS-DMA-002
0-3	700	1MAS-DMA-003	2MAS-DMA-003	3MAS-DMA-003
0-5	500	1MAS-DMA-005	2MAS-DMA-005	3MAS-DMA-005
0-10	244	1MAS-DMA-010	2MAS-DMA-010	3MAS-DMA-010
0-25	35	1MAS-DMA-025	2MAS-DMA-025	3MAS-DMA-025
0-30	25	1MAS-DMA-030	2MAS-DMA-030	3MAS-DMA-030
0-50	9	1MAS-DMA-050	2MAS-DMA-050	3MAS-DMA-050
0-100	2.3	1MAS-DMA-100	2MAS-DMA-100	3MAS-DMA-100
0-200	1	1MAS-DMA-200	2MAS-DMA-200	3MAS-DMA-200
0-300	.33	1MAS-DMA-300	2MAS-DMA-300	3MAS-DMA-300
0-500	.12	1MAS-DMA-500	2MAS-DMA-500	3MAS-DMA-500
<b>DC MILLIAMMETERS – Zero center</b>				
1-0-1	970	1MAS-DMA-1U1	2MAS-DMA-1U1	3MAS-DMA-1U1
5-0-5	244	1MAS-DMA-5U5	2MAS-DMA-5U5	3MAS-DMA-5U5
10-0-10	55	1MAS-DMA-10U10	2MAS-DMA-10U10	3MAS-DMA-10U10
25-0-25	9	1MAS-DMA-25U25	2MAS-DMA-25U25	3MAS-DMA-25U25
50-0-50	2.3	1MAS-DMA-50U50	2MAS-DMA-50U50	3MAS-DMA-50U50
100-0-100	1	1MAS-DMA-1H1	2MAS-DMA-1H1	3MAS-DMA-1H1
200-0-200	.18	1MAS-DMA-2H2	2MAS-DMA-2H2	3MAS-DMA-2H2
500-0-500	.04	1MAS-DMA-5H5	2MAS-DMA-5H5	3MAS-DMA-5H5
<b>DC AMMETERS – Zero left</b>				
0-1	.04	1MAS-DAA-001	2MAS-DAA-001	3MAS-DAA-001
0-2	.02	1MAS-DAA-002	2MAS-DAA-002	3MAS-DAA-002
0-3	.02	1MAS-DAA-003	2MAS-DAA-003	3MAS-DAA-003
0-5	.0002	1MAS-DAA-005	2MAS-DAA-005	3MAS-DAA-005
0-10	.0002	1MAS-DAA-010	2MAS-DAA-010	3MAS-DAA-010
0-15	.0002	1MAS-DAA-015	2MAS-DAA-015	3MAS-DAA-015
0-20	.0002	1MAS-DAA-020	2MAS-DAA-020	3MAS-DAA-020
0-25	.0002	1MAS-DAA-025	2MAS-DAA-025	3MAS-DAA-025
0-30	.0002	1MAS-DAA-030	2MAS-DAA-030	3MAS-DAA-030
<b>DC AMMETERS – Zero center</b>				
1-0-1	.02	1MAS-DAA-1U1	2MAS-DAA-1U1	3MAS-DAA-1U1
3-0-3	.002	1MAS-DAA-3U3	2MAS-DAA-3U3	3MAS-DAA-3U3
5-0-5	.002	1MAS-DAA-5U5	2MAS-DAA-5U5	3MAS-DAA-5U5
10-0-10	.002	1MAS-DAA-10U10	2MAS-DAA-10U10	3MAS-DAA-10U10
15-0-15	.002	1MAS-DAA-15U15	2MAS-DAA-15U15	3MAS-DAA-15U15
25-0-25	.002	1MAS-DAA-25U25	2MAS-DAA-25U25	3MAS-DAA-25U25
<b>Higher ranges are available in zero left and zero center as 50mv meters for use with external shunts.</b>				
<b>DC MILLIVOLTMETERS – Zero left</b>				
0-50 (125ma)	0.4	1MAS-DMV-050 (125ma)	2MAS-DMV-050 (125ma)	3MAS-DMV-050 (125ma)
0-100 (62ma)	1.6	1MAS-DMV-100 (62ma)	2MAS-DMV-100 (62ma)	3MAS-DMV-100 (62ma)
<b>DC MILLIVOLTMETERS – Zero center</b>				
50-0-50	1.6	1MAS-DMV-50U50	2MAS-DMV-50U50	3MAS-DMV-50U50
100-0-100	1.0	1MAS-DMV-1H1	2MAS-DMV-1H1	3MAS-DMV-1H1

<b>DC VOLTMETERS – Zero left– Standard sensitivity (external multiplier supplied, 25 volts and over)</b>				
0-1	100Ω/V	1MAS-DVV-001	2MAS-DVV-001	3MAS-DVV-001
0-3	100Ω/V	1MAS-DVV-003	2MAS-DVV-003	3MAS-DVV-003
0-5	100Ω/V	1MAS-DVV-005	2MAS-DVV-005	3MAS-DVV-005
0-10	200 Ω/V	1MAS-DVV-010	2MAS-DVV-010	3MAS-DVV-010
0-15	200 Ω/V	1MAS-DVV-015	2MAS-DVV-015	3MAS-DVV-015
0-25	200 Ω/V	1MAS-DVV-025	2MAS-DVV-025	3MAS-DVV-025
0-30	200 Ω/V	1MAS-DVV-030	2MAS-DVV-030	3MAS-DVV-030
0-50	200 Ω/V	1MAS-DVV-050	2MAS-DVV-050	3MAS-DVV-050
0-75	200 Ω/V	1MAS-DVV-075	2MAS-DVV-075	3MAS-DVV-075
0-100	200 Ω/V	1MAS-DVV-100	2MAS-DVV-100	3MAS-DVV-100
0-150	200 Ω/V	1MAS-DVV-150	2MAS-DVV-150	3MAS-DVV-150
0-200	200 Ω/V	1MAS-DVV-200	2MAS-DVV-200	3MAS-DVV-200
0-300	500 Ω/V	1MAS-DVV-300	2MAS-DVV-300	3MAS-DVV-300
0-400	500 Ω/V	1MAS-DVV-400	2MAS-DVV-400	3MAS-DVV-400
0-500	500 Ω/V	1MAS-DVV-500	2MAS-DVV-500	3MAS-DVV-500
<b>High sensitivity, zero left – same ranges with 1K/V sensitivity.</b>				
<b>DC VOLTMETERS – Zero center– Standard sensitivity (external multiplier supplied, 30 volts and over)</b>				
5-0-5	100Ω/V	1MAS-AVV-5U5	2MAS-AVV-5U5	3MAS-AVV-5U5
15-0-15	100Ω/V	1MAS-AVV-15U15	2MAS-AVV-15U15	3MAS-AVV-15U15
30-0-30	100Ω/V	1MAS-AVV-30U30	2MAS-AVV-30U30	3MAS-AVV-30U30
50-0-50	100Ω/V	1MAS-AVV-50U50	2MAS-AVV-50U50	3MAS-AVV-50U50
100-0-100	100Ω/V	1MAS-AVV-1H1	2MAS-AVV-1H1	3MAS-AVV-1H1
150-0-150	100Ω/V	1MAS-AVV-1.5H1.5H	2MAS-AVV-1.5H1.5H	3MAS-AVV-1.5H1.5H
300-0-300	500 Ω/V	1MAS-AVV-3H3	2MAS-AVV-3H3	3MAS-AVV-3H3
500-0-500	500 Ω/V	1MAS-AVV-5H5	2MAS-AVV-5H5	3MAS-AVV-5H5
<b>High sensitivity, zero center – same ranges with 1K/V sensitivity.</b>				
<b>AC MILLIAMMETERS – Zero left, self-contained</b>				
0-10		1MAS-AMA-010	2MAS-AMA-010	3MAS-AMA-010
0-100		1MAS-AMA-100	2MAS-AMA-100	3MAS-AMA-100
0-500		1MAS-AMA-500	2MAS-AMA-500	3MAS-AMA-500
<b>AC AMMETERS – Zero left (external diodes supplied for ½ wave rectifier circuit including shunt diode)</b>				
0-1		1MAS-AAA-001	2MAS-AAA-001	3MAS-AAA-001
0-3		1MAS-AAA-003	2MAS-AAA-003	3MAS-AAA-003
0-5		1MAS-AAA-005	2MAS-AAA-005	3MAS-AAA-005
0-10		1MAS-AAA-010	2MAS-AAA-010	3MAS-AAA-010
<b>AC VOLTMETERS – Zero left (external multiplier supplied, 25 volts and over)</b>				
0-10	200 Ω/V	1MAS-AVV-010	2MAS-AVV-010	2MAS-AVV-010
0-15	200 Ω/V	1MAS-AVV-015	2MAS-AVV-015	2MAS-AVV-015
0-25	200 Ω/V	1MAS-AVV-025	2MAS-AVV-025	2MAS-AVV-025
0-50	200 Ω/V	1MAS-AVV-050	2MAS-AVV-050	2MAS-AVV-050
0-150	200 Ω/V	1MAS-AVV-150	2MAS-AVV-150	2MAS-AVV-150
0-300	200 Ω/V	1MAS-AVV-300	2MAS-AVV-300	2MAS-AVV-300
<b>VU TYPE METERS</b>				
<p>These meters are supplied with either of the scales shown at right, printed in black and red, on white background. VU-type meters are designed to measure specific VU quantities, and read zero VU (100%) with 1.23V applied to the meter with the circuit supplied. This represents 4 dB above 1mw in 600 ohms. VU-type DC indicators are the same, but the resistor/rectifier package is not supplied. NOTE: These VU-type meters are not intended to replace ANSI Std. 016.5 VU meters. For such meters, see “Taut Band” sections of this catalog.</p>				

 <p><b>VU Scale "A"</b></p>  <p><b>VU Scale "B"</b></p>				
<b>AC Type –Standard Sensitivity 4ma basic- supplied with resistor/rectifier package for external mounting</b>				
With Scale "A"		1MAS-AVU-000-AW-SP	2MAS-AVU-000-AW-SP	3MAS-AVU-000-AW-SP
With Scale "B"		1MAS-AVU-000-BW-SP	2MAS-AVU-000-BW-SP	3MAS-AVU-000-BW-SP
<b>DC Type –Standard Sensitivity 4ma basic- resistor/rectifier package not supplied</b>				
With Scale "A"		1MAS-DVU-000-AW-SP	2MAS-DVU-000-AW-SP	2MAS-DVU-000-AW-SP
With Scale "B"		1MAS-DVU-000-BW-SP	2MAS-DVU-000-BW-SP	2MAS-DVU-000-BW-SP

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