



Jewell Instruments W Series Catalog 2014

Meter Size		1½"	2½"	3½"	4½"	5½"
Range	Resistance (ohms)	Catalog #	Catalog #	Catalog #	Catalog #	Catalog #
DC MICROAMMETERS – Taut band, moving coil: Zero left						
0-50	2600	1W-DUA-050	2W-DUA-050	3W-DUA-050	4W-DUA-050	5W-DUA-050
0-100	640	1W-DUA-100	2W-DUA-100	3W-DUA-100	4W-DUA-100	5W-DUA-100
0-200	220	1W-DUA-200	2W-DUA-200	3W-DUA-200	4W-DUA-200	5W-DUA-200
0-500	135	1W-DUA-500	2W-DUA-500	3W-DUA-500	4W-DUA-500	5W-DUA-500

DC MICROAMMETERS – Taut band, moving coil: Zero left, high torque, ruggedized movements						
0-50	5400	T1W-DUA-050	T2W-DUA-050	T3W-DUA-050	T4W-DUA-050	T5W-DUA-050
0-100	3700	T1W-DUA-100	T2W-DUA-100	T3W-DUA-100	T4W-DUA-100	T5W-DUA-100
0-200	640	T1W-DUA-200	T2W-DUA-200	T3W-DUA-200	T4W-DUA-200	T5W-DUA-200
0-500	515	T1W-DUA-500	T2W-DUA-500	T3W-DUA-500	T4W-DUA-500	T5W-DUA-500
*0-200	2500	HT1W-DUA-200	HT2W-DUA-200	HT3W-DUA-200	HT4W-DUA-200	HT5W-DUA-200
*0-500	1700	HT1W-DUA-500	HT2W-DUA-500	HT3W-DUA-500	HT4W-DUA-500	HT5W-DUA-500

***Very high torque**

DC MICROAMMETERS – Taut band, moving coil: Zero center						
25-0-25	2600	1W-DUA-25U25	2W-DUA-25U25	3W-DUA-25U25	4W-DUA-25U25	5W-DUA-25U25
50-0-50	640	1WDUA-50U50	2WDUA-50U50	3W-DUA-50U50	4W-DUA-50U50	5W-DUA-50U50
100-0-100	230	1W-DUA-1H1	2W-DUA-1H1	3W-DUA-1H1	4W-DUA-1H1	5W-DUA-1H1
500-0-500	35	1W-DUA-5H5	2W-DUA-5H5	3W-DUA-5H5	4W-DUA-5H5	5W-DUA-5H5

DC MICROAMMETERS – Taut band, moving coil: Zero center, high torque, ruggedized movements						
50-0-50	3700	T1W-DUA-50U50	T2W-DUA-50U50	T3W-DUA-50U50	T4W-DUA-50U50	T5W-DUA-50U50
100-0-100	640	T1W-DUA-1H1	T2W-DUA-1H1	T3W-DUA-1H1	T4W-DUA-1H1	T5W-DUA-1H1
500-0-500	135	T1W-DUA-5H5	T2W-DUA-5H5	T3W-DUA-5H5	T4W-DUA-5H5	T5W-DUA-5H5

DC MILLIAMMETERS – Taunt band, moving coil: Zero left						
0-1	35.0	1W-DMA-001	2W-DMA-001	3W-DMA-001	4W-DMA-001	5W-DMA-001
0-2	12.5	1W-DMA-002	2W-DMA-002	3W-DMA-002	4W-DMA-002	5W-DMA-002
0-3	7.2	1W-DMA-003	2W-DMA-003	3W-DMA-003	4W-DMA-003	5W-DMA-003
0-5	3.8	1W-DMA-005	2W-DMA-005	3W-DMA-005	4W-DMA-005	5W-DMA-005
0-10	2.2	1W-DMA-010	2W-DMA-010	3W-DMA-010	4W-DMA-010	5W-DMA-010
0-15	3.3	1W-DMA-015	2W-DMA-015	3W-DMA-015	4W-DMA-015	5W-DMA-015
0-20	2.5	1W-DMA-020	2W-DMA-020	3W-DMA-020	4W-DMA-020	5W-DMA-020
0-25	2.0	1W-DMA-025	2W-DMA-025	3W-DMA-025	4W-DMA-025	5W-DMA-025
0-30	1.7	1W-DMA-030	2W-DMA-030	3W-DMA-030	4W-DMA-030	5W-DMA-030
0-50	1.0	1W-DMA-050	2W-DMA-050	3W-DMA-050	4W-DMA-050	5W-DMA-050
0-100	.50	1W-DMA-100	2W-DMA-100	3W-DMA-100	4W-DMA-100	5W-DMA-100
0-150	.33	1W-DMA-150	2W-DMA-150	3W-DMA-150	4W-DMA-150	5W-DMA-150
0-200	.25	1W-DMA-200	2W-DMA-200	3W-DMA-200	4W-DMA-200	5W-DMA-200
0-300	.166	1W-DMA-300	2W-DMA-300	3W-DMA-300	4W-DMA-300	5W-DMA-300
0-500	.10	1W-DMA-500	2W-DMA-500	3W-DMA-500	4W-DMA-500	5W-DMA-500
0-750	.066	1W-DMA-750	2W-DMA-750	3W-DMA-750	4W-DMA-750	5W-DMA-750

Meter Size		1½"	2½"	3½"	4½"	5½"
Range	Resistance (ohms)	Catalog #	Catalog #	Catalog #	Catalog #	Catalog #
DC MILLIAMMETERS – Taut band, moving coil: Zero left, high torque, ruggedized movements						
0-1	135	T1W-DMA-001	T2W-DMA-001	T3W-DMA-001	T4W-DMA-001	T5W-DMA-001
0-2	33	T1W-DMA-002	T2W-DMA-002	T3W-DMA-002	T4W-DMA-002	T5W-DMA-002
0-3	18	T1W-DMA-003	T2W-DMA-003	T3W-DMA-003	T4W-DMA-003	T5W-DMA-003
0-5	7	T1W-DMA-005	T2W-DMA-005	T3W-DMA-005	T4W-DMA-005	T5W-DMA-005
0-10	3	T1W-DMA-010	T2W-DMA-010	T3W-DMA-010	T4W-DMA-010	T5W-DMA-010

DC MILLIAMMETERS – Taut band, moving coil: Zero left, very high torque, ruggedized movements

0-1	450	HT1W-DMA-001	HT2W-DMA-001	HT3W-DMA-001	HT4W-DMA-001	HT5W-DMA-001
0-2	100	HT1W-DMA-002	HT2W-DMA-002	HT3W-DMA-002	HT4W-DMA-002	HT5W-DMA-002
0-5	35	HT1W-DMA-005	HT2W-DMA-005	HT3W-DMA-005	HT4W-DMA-005	HT5W-DMA-005
DC MILLIAMMETERS – Taut band, moving coil: Zero center						
1-0-1	35.0	1W-DMA-1U1	2W-DMA-1U1	3W-DMA-1U1	4W-DMA-1U1	5W-DMA-1U1
5-0-5	3.5	1W-DMA-5U5	2W-DMA-5U5	3W-DMA-5U5	4W-DMA-5U5	5W-DMA-5U5
10-0-10	2.2	1W-DMA-10U10	2W-DMA-10U10	3W-DMA-10U10	4W-DMA-10U10	5W-DMA-10U10
25-0-25	2.0	1W-DMA-25U25	2W-DMA-25U25	3W-DMA-25U25	4W-DMA-25U25	5W-DMA-25U25
50-0-50	1.0	1W-DMA-50U50	2W-DMA-50U50	3W-DMA-50U50	4W-DMA-50U50	5W-DMA-50U50
100-0-100	.50	1W-DMA-1H1	2W-DMA-1H1	3W-DMA-1H1	4W-DMA-1H1	5W-DMA-1H1
200-0-200	.25	1W-DMA-2H2	2W-DMA-2H2	3W-DMA-2H2	4W-DMA-2H2	5W-DMA-2H2
500-0-500	.10	1W-DMA-5H5	2W-DMA-5H5	3W-DMA-5H5	4W-DMA-5H5	5W-DMA-5H5
DC MILLIAMMETERS – Taut band, moving coil: Zero center, high torque, ruggedized movements						
1-0-1	145	T1W-DMA-1U1	T2W-DMA-1U1	T3W-DMA-1U1	T4W-DMA-1U1	T5W-DMA-1U1
DC MILLIAMMETERS – Taut band, moving coil: Suppressed zero (indicating receiving gauge applications)						
0.25-1.25	35	N1W-DMA-00125	N2W-DMA-00125	N3W-DMA-00125	N4W-DMA-00125	N5W-DMA-00125
1-5	5	N1W-DMA-005	N2W-DMA-005	N3W-DMA-005	N4W-DMA-005	N5W-DMA-005
4-20	6.6	N1W-DMA-020	N2W-DMA-020	N3W-DMA-020	N4W-DMA-020	N5W-DMA-020
10-50	2.0	N1W-DMA-050	N2W-DMA-050	N3W-DMA-050	N4W-DMA-050	N5W-DMA-050
DC AMMETERS – Taut band, moving coil: Zero left, self-contained						
0-1	.050	1W-DAA-001	2W-DAA-001	3W-DAA-001	4W-DAA-001	5W-DAA-001
0-1.5	.033	1W-DAA-001.5	2W-DAA-001.5	3W-DAA-001.5	4W-DAA-001.5	5W-DAA-001.5
0-2	.025	1W-DAA-002	2W-DAA-002	3W-DAA-002	4W-DAA-002	5W-DAA-002
0-3	.0166	1W-DAA-003	2W-DAA-003	3W-DAA-003	4W-DAA-003	5W-DAA-003
0-5	.010	1W-DAA-005	2W-DAA-005	3W-DAA-005	4W-DAA-005	5W-DAA-005
0-10	.0050	1W-DAA-010	2W-DAA-010	3W-DAA-010	4W-DAA-010	5W-DAA-010
0-15	.0033		2W-DAA-015	3W-DAA-015	4W-DAA-015	5W-DAA-015
0-20	.0025		2W-DAA-020	3W-DAA-020	4W-DAA-020	5W-DAA-020
0-25	.0020		2W-DAA-025	3W-DAA-025	4W-DAA-025	5W-DAA-025
0-30	.0015		2W-DAA-030	3W-DAA-030	4W-DAA-030	5W-DAA-030
0-50	.0010		2W-DAA-050	3W-DAA-050	4W-DAA-050	5W-DAA-050
DC AMMETERS – Taut band, moving coil: Zero left, 50mV, shunt rated						
0-15	10	1WS-DAA-015				
0-20	10	1WS-DAA-020				
0-25	10	1WS-DAA-025				
0-30	10	1WS-DAA-030				
0-50	10	1WS-DAA-050				
0-75	10	1WS-DAA-075	2WS-DAA-075	3WS-DAA-075	4WS-DAA-075	5WS-DAA-075
0-100	10	1WS-DAA-100	2WS-DAA-100	3WS-DAA-100	4WS-DAA-100	5WS-DAA-100
0-150	10	1WS-DAA-150	2WS-DAA-150	3WS-DAA-150	4WS-DAA-150	5WS-DAA-150
0-200	10	1WS-DAA-200	2WS-DAA-200	3WS-DAA-200	4WS-DAA-200	5WS-DAA-200
0-300	10	1WS-DAA-300	2WS-DAA-300	3WS-DAA-300	4WS-DAA-300	5WS-DAA-300
0-500	10	1WS-DAA-500	2WS-DAA-500	3WS-DAA-500	4WS-DAA-500	5WS-DAA-500
0-750	10	1WS-DAA-750	2WS-DAA-750	3WS-DAA-750	4WS-DAA-750	5WS-DAA-750
0-1000	10	1WS-DAA-1000	2WS-DAA-1000	3WS-DAA-1000	4WS-DAA-1000	5WS-DAA-1000
0-1200	10	1WS-DAA-1200	2WS-DAA-1200	3WS-DAA-1200	4WS-DAA-1200	5WS-DAA-1200
0-1500	10	1WS-DAA-1500	2WS-DAA-1500	3WS-DAA-1500	4WS-DAA-1500	5WS-DAA-1500
0-2000	10	1WS-DAA-2000	2WS-DAA-2000	3WS-DAA-2000	4WS-DAA-2000	5WS-DAA-2000

DC AMMETERS – Taut band, moving coil: Zero left, 100mV, shunt rated

0-75	20	E1W-DAA-075	E2W-DAA-075	E3W-DAA-075	E4W-DAA-075	E5W-DAA-075
0-100	20	E1W-DAA-100	E2W-DAA-100	E3W-DAA-100	E4W-DAA-100	E5W-DAA-100
0-150	20	E1W-DAA-150	E2W-DAA-150	E3W-DAA-150	E4W-DAA-150	E5W-DAA-150
0-200	20	E1W-DAA-200	E2W-DAA-200	E3W-DAA-200	E4W-DAA-200	E5W-DAA-200
0-300	20	E1W-DAA-300	E2W-DAA-300	E3W-DAA-300	E4W-DAA-300	E5W-DAA-300
0-500	20	E1W-DAA-500	E2W-DAA-500	E3W-DAA-500	E4W-DAA-500	E5W-DAA-500
0-750	20	E1W-DAA-750	E2W-DAA-750	E3W-DAA-750	E4W-DAA-750	E5W-DAA-750
0-1000	20	E1W-DAA-1000	E2W-DAA-1000	E3W-DAA-1000	E4W-DAA-1000	E5W-DAA-1000
0-1200	20	E1W-DAA-1200	E2W-DAA-1200	E3W-DAA-1200	E4W-DAA-1200	E5W-DAA-1200
0-1500	20	E1W-DAA-1500	E2W-DAA-1500	E3W-DAA-1500	E4W-DAA-1500	E5W-DAA-1500
0-2000	20	E1W-DAA-2000	E2W-DAA-2000	E3W-DAA-2000	E4W-DAA-2000	E5W-DAA-2000

DC AMMETERS – Taut band, moving coil: Zero center, self-contained

1-0-1	.050	1W-DAA-1U1	2W-DAA-1U1	3W-DAA-1U1	4W-DAA-1U1	5W-DAA-1U1
3-0-3	.016	1W-DAA-3U3	2W-DAA-3U3	3W-DAA-3U3	4W-DAA-3U3	5W-DAA-3U3
5-0-5	.010	1W-DAA-5U5	2W-DAA-5U5	3W-DAA-5U5	4W-DAA-5U5	5W-DAA-5U5
10-0-10	.005	1W-DAA-10U10	2W-DAA-10U10	3W-DAA-10U10	4W-DAA-10U10	5W-DAA-10U10
15-0-15	.003		2W-DAA-15U15	3W-DAA-15U15	4W-DAA-15U15	5W-DAA-15U15
25-0-25	.002		2W-DAA-25U25	3W-DAA-25U25	4W-DAA-25U25	5W-DAA-25U25
50-0-50	.001		2W-DAA-50U50	3W-DAA-50U50	4W-DAA-50U50	5W-DAA-50U50

DC AMMETERS – Taut band, moving coil: Zero center, 50mV, shunt rated

15-0-15	10	1WS-DAA-15U15				
25-0-25	10	1WS-DAA-25U25				
50-0-50	10	1WS-DAA-50U50				
75-0-75	10	1WS-DAA-75U75	2WS-DAA-75U75	3WS-DAA-75U75	4WS-DAA-75U75	5WS-DAA-75U75
100-0-100	10	1WS-DAA-1H1	2WS-DAA-1H1	3WS-DAA-1H1	4WS-DAA-1H1	5WS-DAA-1H1
200-0-200	10	1WS-DAA-2H2	2WS-DAA-2H2	3WS-DAA-2H2	4WS-DAA-2H2	5WS-DAA-2H2
300-0-300	10	1WS-DAA-3H3	2WS-DAA-3H3	3WS-DAA-3H3	4WS-DAA-3H3	5WS-DAA-3H3
400-0-400	10	1WS-DAA-4H4	2WS-DAA-4H4	3WS-DAA-4H4	4WS-DAA-4H4	5WS-DAA-4H4
500-0-500	10	1WS-DAA-5H5	2WS-DAA-5H5	3WS-DAA-5H5	4WS-DAA-5H5	5WS-DAA-5H5

DC MILLIVOLTMETERS – Taut band, moving coil: Zero left

0-50	10Ω	1W-DMV-050	2W-DMV-050	3W-DMV-050	4W-DMV-050	5W-DMV-050
0-100	20Ω	1W-DMV-100	2W-DMV-100	3W-DMV-100	4W-DMV-100	5W-DMV-100

DC MILLIVOLTMETERS – Taut band, moving coil: Zero center

50-0-50	10Ω	1W-DMV-50U50	2W-DMV-50U50	3W-DMV-50U50	4W-DMV-50U50	5W-DMV-50U50
100-0-100	20Ω	1W-DMV-1H1	2W-DMV-1H1	3W-DMV-1H1	4W-DMV-1H1	5W-DMV-1H1

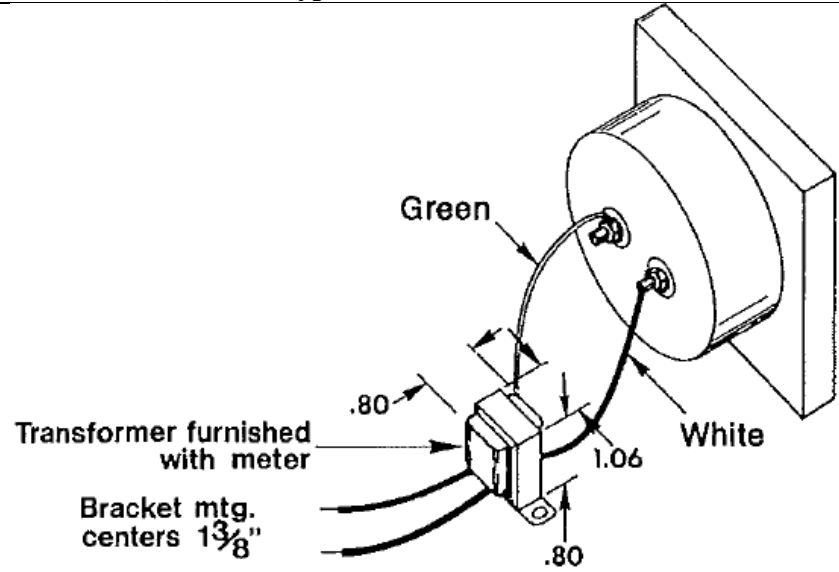
DC VOLTMETERS – Taut band, moving coil: Zero left

0-1	1000Ω/V	1WDVV-001	2WDVV-001	3WDVV-001	4WDVV-001	5WDVV-001
0-1.5	1000Ω/V	1WDVV-0015	2WDVV-0015	3WDVV-0015	4WDVV-0015	5WDVV-0015
0-2	1000Ω/V	1WDVV-002	2WDVV-002	3WDVV-002	4WDVV-002	5WDVV-002
0-3	1000Ω/V	1WDVV-003	2WDVV-003	3WDVV-003	4WDVV-003	5WDVV-003
0-5	1000Ω/V	1WDVV-005	2WDVV-005	3WDVV-005	4WDVV-005	5WDVV-005
0-10	1000Ω/V	1WDVV-010	2WDVV-010	3WDVV-010	4WDVV-010	5WDVV-010
0-15	1000Ω/V	1WDVV-015	2WDVV-015	3WDVV-015	4WDVV-015	5WDVV-015
0-20	1000Ω/V	1WDVV-020	2WDVV-020	3WDVV-020	4WDVV-020	5WDVV-020
0-25	1000Ω/V	1WDVV-025	2WDVV-025	3WDVV-025	4WDVV-025	5WDVV-025
0-30	1000Ω/V	1WDVV-030	2WDVV-030	3WDVV-030	4WDVV-030	5WDVV-030
0-40	1000Ω/V	1WDVV-040	2WDVV-040	3WDVV-040	4WDVV-040	5WDVV-040
0-50	1000Ω/V	1WDVV-050	2WDVV-050	3WDVV-050	4WDVV-050	5WDVV-050
0-75	1000Ω/V	1WDVV-075	2WDVV-075	3WDVV-075	4WDVV-075	5WDVV-075
0-80	1000Ω/V	1WDVV-080	2WDVV-080	3WDVV-080	4WDVV-080	5WDVV-080
0-100	1000Ω/V	1WDVV-100	2WDVV-100	3WDVV-100	4WDVV-100	5WDVV-100
0-150	1000Ω/V	1WDVV-150	2WDVV-150	3WDVV-150	4WDVV-150	5WDVV-150
0-200	1000Ω/V	1WDVV-200	2WDVV-200	3WDVV-200	4WDVV-200	5WDVV-200
0-250	1000Ω/V	1WDVV-250	2WDVV-250	3WDVV-250	4WDVV-250	5WDVV-250
0-300	1000Ω/V	1WDVV-300	2WDVV-300	3WDVV-300	4WDVV-300	5WDVV-300
0-500	1000Ω/V	1WDVV-500	2WDVV-500	3WDVV-500	4WDVV-500	5WDVV-500
0-600	10KΩ/V	1WDVV-600	2WDVV-600	3WDVV-600	4WDVV-600	5WDVV-600
0-750	10KΩ/V	1WDVV-750	2WDVV-750	3WDVV-750	4WDVV-750	5WDVV-750

0-1000	10KΩ/V	1WDVV-1000	2WDVV-1000	3WDVV-1000	4WDVV-1000	5WDVV-1000
DC VOLTMETERS – Taut band, moving coil: Zero center						
5-0-5	1000Ω/V	1WDVV-5U5	2WDVV-5U5	3WDVV-5U5	4WDVV-5U5	5WDVV-5U5
10-0-10	1000Ω/V	1WDVV-10U10	2WDVV-10U10	3WDVV-10U10	4WDVV-10U10	5WDVV-10U10
15-0-15	1000Ω/V	1WDVV-15U15	2WDVV-15U15	3WDVV-15U15	4WDVV-15U15	5WDVV-15U15
25-0-25	1000Ω/V	1WDVV-25U25	2WDVV-25U25	3WDVV-25U25	4WDVV-25U25	5WDVV-25U25
50-0-50	1000Ω/V	1WDVV-50U50	2WDVV-50U50	3WDVV-50U50	4WDVV-50U50	5WDVV-50U50
100-0-100	1000Ω/V	1WDVV-1H1	2WDVV-1H1	3WDVV-1H1	4WDVV-1H1	5WDVV-1H1
150-0-150	1000Ω/V	1WDVV-1.5H1.5	2WDVV-1.5H1.5	3WDVV-1.5H1.5	4WDVV-1.5H1.5	5WDVV-1.5H1.5
300-0-300	1000Ω/V	1WDVV-3H3	2WDVV-3H3	3WDVV-3H3	4WDVV-3H3	5WDVV-3H3
500-0-500	1000Ω/V	1WDVV-5H5	2WDVV-5H5	3WDVV-5H5	4WDVV-5H5	5WDVV-5H5
600-0-600	10KΩ/V	1WDVV-6H6	2WDVV-6H6	3WDVV-6H6	4WDVV-6H6	5WDVV-6H6
DC VOLTMETERS – Taut band, moving coil: Zero left & zero center, high torque, ruggedized movements						
All DC voltmeters are also available in high torque versions with identical range and terminal resistance. To order add the prefix letter “T” to the model number.						
AC MILLIAMMETERS – Taut band, moving coil: Self-contained, rectifier type						
0-1	1110	1W-AMA-001	2W-AMA-001	3W-AMA-001	4W-AMA-001	5W-AMA-001
0-5	260	1W-AMA-005	2W-AMA-005	3W-AMA-005	4W-AMA-005	5W-AMA-005
0-10	140	1W-AMA-010	2W-AMA-010	3W-AMA-010	4W-AMA-010	5W-AMA-010
0-25	90.0	1W-AMA-025	2W-AMA-025	3W-AMA-025	4W-AMA-025	5W-AMA-025
0-50	45.0	1W-AMA-050	2W-AMA-050	3W-AMA-050	4W-AMA-050	5W-AMA-050
0-100	6.0	1W-AMA-100	2W-AMA-100	3W-AMA-100	4W-AMA-100	5W-AMA-100
0-200	1.5		2W-AMA-200	3W-AMA-200	4W-AMA-200	5W-AMA-200
0-500	0.4		2W-AMA-500	3W-AMA-500	4W-AMA-500	5W-AMA-500
AC MILLIAMMETERS – Iron Vane: Self-contained, 60 Hz nominal input (50-400Hz range)* 2” Barrell Standard						
0-10	2600		2W-AMC-010	3W-AMC-010	4W-AMC-010	
0-25	430		2W-AMC-025	3W-AMC-025	4W-AMC-025	
0-50	105		2W-AMC-050	3W-AMC-050	4W-AMC-050	
0-100	27		2W-AMC-100	3W-AMC-100	4W-AMC-100	
0-250	4.3		2W-AMC-250	3W-AMC-250	4W-AMC-250	
0-500	1.1		2W-AMC-500	3W-AMC-500	4W-AMC-500	
AC AMMETERS – Taut band, moving coil: Self-contained, rectifier type						
0-1	.07		2W-AAA-001	3W-AAA-001	4W-AAA-001	5W-AAA-001
0-1.5	.05		2W-AAA-0015	3W-AAA-0015	4W-AAA-0015	5W-AAA-0015
0-2	.04		2W-AAA-002	3W-AAA-002	4W-AAA-002	5W-AAA-002
0-3	.025		2W-AAA-003	3W-AAA-003	4W-AAA-003	5W-AAA-003
0-5	.015		2W-AAA-005	3W-AAA-005	4W-AAA-005	5W-AAA-005
0-10	.0075		2W-AAA-010	3W-AAA-010	4W-AAA-010	5W-AAA-010
0-15	.005		2W-AAA-015	3W-AAA-015	4W-AAA-015	5W-AAA-015
0-20	.004		2W-AAA-020	3W-AAA-020	4W-AAA-020	5W-AAA-020
0-25	.0037		2W-AAA-025	3W-AAA-025	4W-AAA-025	5W-AAA-025
0-30	.0025		2W-AAA-030	3W-AAA-030	4W-AAA-030	5W-AAA-030
0-50	.0015		2W-AAA-050	3W-AAA-050	4W-AAA-050	5W-AAA-050
AC AMMETERS – Taut band, moving coil: Transformer rated, 0-5A, rectifier type						
0-60	.015		2W-AAAX-060	3W-AAAX-060	4W-AAAX-060	5W-AAAX-060
0-75	.015		2W-AAAX-075	3W-AAAX-075	4W-AAAX-075	5W-AAAX-075
0-100	.015		2W-AAAX-100	3W-AAAX-100	4W-AAAX-100	5W-AAAX-100
0-150	.015		2W-AAAX-150	3W-AAAX-150	4W-AAAX-150	5W-AAAX-150
0-200	.015		2W-AAAX-200	3W-AAAX-200	4W-AAAX-200	5W-AAAX-200
0-300	.015		2W-AAAX-300	3W-AAAX-300	4W-AAAX-300	5W-AAAX-300
0-400	.015		2W-AAAX-400	3W-AAAX-400	4W-AAAX-400	5W-AAAX-400
0-500	.015		2W-AAAX-500	3W-AAAX-500	4W-AAAX-500	5W-AAAX-500
0-600	.015		2W-AAAX-600	3W-AAAX-600	4W-AAAX-600	5W-AAAX-600
0-800	.015		2W-AAAX-800	3W-AAAX-800	4W-AAAX-800	5W-AAAX-800
0-1000	.015		2W-AAAX-1000	3W-AAAX-1000	4W-AAAX-1000	5W-AAAX-1000
0-1500	.015		2W-AAAX-1500	3W-AAAX-1500	4W-AAAX-1500	5W-AAAX-1500
0-2000	.015		2W-AAAX-2000	3W-AAAX-2000	4W-AAAX-2000	5W-AAAX-2000

AC AMMETERS – Taut band, moving coil: Separate transformer, rectifier type

0-1	.07	1W-AAAX-001
0-1.5	.05	1W-AAAX-0015
0-2	.04	1W-AAAX-002
0-3	.025	1W-AAAX-003
0-5	.015	1W-AAAX-005
0-10	.0075	1W-AAAX-010
0-15	.005	1W-AAAX-015
0-20	.004	1W-AAAX-020
0-25	.0037	1W-AAAX-025
0-30	.0025	1W-AAAX-030
0-50	.0015	1W-AAAX-050
0-60	.015	1W-AAAX-060
0-75	.015	1W-AAAX-075
0-100	.015	1W-AAAX-100
0-150	.015	1W-AAAX-150
0-200	.015	1W-AAAX-200
0-300	.015	1W-AAAX-300
0-400	.015	1W-AAAX-400
0-500	.015	1W-AAAX-500
0-600	.015	1W-AAAX-600
0-800	.015	1W-AAAX-800
0-1000	.015	1W-AAAX-1000
0-1500	.015	1W-AAAX-1500
0-2000	.015	1W-AAAX-2000



*5 Ampere meter with scale as indicated requires an external current transformer (not furnished)

AC MILLIAMMETERS & AC AMMETERS – Taut band, moving coil: High torque, ruggedized movements

All AC milliammeters and AC Ammeters are also available in high torque versions with identical range and terminal resistance. To order, add the prefix letter "T" to the model number.

AC AMMETERS – Iron vane: Self-contained, 60Hz nominal input (50-400Hz range) *2" Barrell Standard

0-1	0.26		2W-AAC-001	3W-AAC-001	4W-AAC-001
0-1.5	0.12		2W-AAC-0015	3W-AAC-0015	4W-AAC-0015
0-2	0.07		2W-AAC-002	3W-AAC-002	4W-AAC-002
0-3	0.048		2W-AAC-003	3W-AAC-003	4W-AAC-003
0-5	0.022		2W-AAC-005	3W-AAC-005	4W-AAC-005
0-10	0.005		2W-AAC-010	3W-AAC-010	4W-AAC-010
0-15	0.003		2W-AAC-015	3W-AAC-015	4W-AAC-015
0-20	0.002		2W-AAC-020	3W-AAC-020	4W-AAC-020
0-25	0.002		2W-AAC-025	3W-AAC-025	4W-AAC-025
0-30	0.0015		2W-AAC-030	3W-AAC-030	4W-AAC-030
0-50	0.001		2W-AAC-050	3W-AAC-050	4W-AAC-050

AC AMMETERS – Iron vane: Transformer rated, 0-5A, 60Hz nominal input (50-400Hz range) *2" Barrell Standard

0-60	0.022		2W-AACX-060	3W-AACX-060	4W-AACX-060
0-75	0.022		2W-AACX-075	3W-AACX-075	4W-AACX-075
0-100	0.022		2W-AACX-100	3W-AACX-100	4W-AACX-100
0-150	0.022		2W-AACX-150	3W-AACX-150	4W-AACX-150
0-200	0.022		2W-AACX-200	3W-AACX-200	4W-AACX-200
0-300	0.022		2W-AACX-300	3W-AACX-300	4W-AACX-300
0-500	0.022		2W-AACX-500	3W-AACX-500	4W-AACX-500
0-600	0.022		2W-AACX-600	3W-AACX-600	4W-AACX-600
0-800	0.022		2W-AACX-800	3W-AACX-800	4W-AACX-800
0-1000	0.022		2W-AACX-1000	3W-AACX-1000	4W-AACX-1000
0-1500	0.022		2W-AACX-1500	3W-AACX-1500	4W-AACX-1500
0-2000	0.022		2W-AACX-2000	3W-AACX-2000	4W-AACX-2000

*0-5A AC ammeter with scales as indicated, for use with external current transformers.

AC VOLTMETERS – Taut band, moving coil: Self-contained, rectifier type

0-3	900Ω/V	1W-AVV-003	2W-AVV-003	3W-AVV-003	4W-AVV-003	5W-AVV-003
0-5	900Ω/V	1W-AVV-005	2W-AVV-005	3W-AVV-005	4W-AVV-005	5W-AVV-005
0-10	900Ω/V	1W-AVV-010	2W-AVV-010	3W-AVV-010	4W-AVV-010	5W-AVV-010
0-15	900Ω/V	1W-AVV-015	2W-AVV-015	3W-AVV-015	4W-AVV-015	5W-AVV-015
0-25	900Ω/V	1W-AVV-025	2W-AVV-025	3W-AVV-025	4W-AVV-025	5W-AVV-025

0-50	900Ω/V	1WS-AVV-050	2W-AVV-050	3W-AVV-050	4W-AVV-050	5W-AVV-050
0-100	900Ω/V	1W-AVV-100	2W-AVV-100	3W-AVV-100	4W-AVV-100	5W-AVV-100
0-150	900Ω/V	1W-AVV-150	2W-AVV-150	3W-AVV-150	4W-AVV-150	5W-AVV-150
0-300	900Ω/V	1W-AVV-300	2W-AVV-300	3W-AVV-300	4W-AVV-300	5W-AVV-300
0-500	900Ω/V	1W-AVV-500	2W-AVV-500	3W-AVV-500	4W-AVV-500	5W-AVV-500
0-600	900Ω/V	1W-AVV-600	2W-AVV-600	3W-AVV-600	4W-AVV-600	5W-AVV-600

AC VOLTMETERS – Taut band, moving coil: Transformer rated, 0-150V, rectifier type*

0-750		1W-AVVX-750	2W-AVVX-750	3W-AVVX-750	4W-AVVX-750	5W-AVVX-750
0-1500		1W-AVVX-1500	2W-AVVX-1500	3W-AVVX-1500	4W-AVVX-1500	5W-AVVX-1500
0-3000		1W-AVVX-3000	2W-AVVX-3000	3W-AVVX-3000	4W-AVVX-3000	5W-AVVX-3000

AC VOLTMETERS – Taut band, moving coil: High torque ruggedized movements

All AC voltmeters are also available in high torque versions with identical range and terminal resistance. To order, add the prefix “T”.

AC VOLTMETERS – Iron vane: Self-contained, 60Hz nominal input (50Hz with slightly reduced accuracy) *2” Barrell Standard

0-3	11.1		2W-AVC-003	3W-AVC-003	4W-AVC-003	
0-5	25		2W-AVC-005	3W-AVC-005	4W-AVC-005	
0-10	100		2W-AVC-010	3W-AVC-010	4W-AVC-010	
0-15	225		2W-AVC-015	3W-AVC-015	4W-AVC-015	
0-30	900		2W-AVC-030	3W-AVC-030	4W-AVC-030	
0-50	3K		2W-AVC-050	3W-AVC-050	4W-AVC-050	
0-100	12K		2W-AVC-100	3W-AVC-100	4W-AVC-100	
0-150	30K		2W-AVC-150	3W-AVC-150	4W-AVC-150	
0-300	90K		2W-AVC-300	3W-AVC-300	4W-AVC-300	
0-500	150K		2W-AVC-500	3W-AVC-500	4W-AVC-500	
0-600	175K		2W-AVC-600	3W-AVC-600	4W-AVC-600	

AC VOLTMETERS – Iron vane: Transformer rated, 0-150V, 60Hz nominal input *2” Barrell Standard

0-600	30K		2S-AVCX-600	3S-AVCX-600	4S-AVCX-600	
0-750	30K		2S-AVCX-750	3S-AVCX-750	4S-AVCX-750	
0-1500	30K		2S-AVCX-1500	3S-AVCX-1500	4S-AVCX-1500	
0-3000	30K		2S-AVCX-3000	3S-AVCX-3000	4S-AVCX-3000	

FREQUENCY METERS – Pointer Type Electronic

Freq. Range	Input V	Accuracy				
45-65	120 VAC	±.6Hz	2W-FRQ-55/120-20	3W-FRQ-55/120-20	4W-FRQ-55/120-20	
45-55	120 VAC	±.3Hz	2W-FRQ-50/120-10	3W-FRQ-50/120-10	4W-FRQ-50/120-10	
55-65	120 VAC	±.3Hz	2W-FRQ-60/120-10	3W-FRQ-60/120-10	4W-FRQ-60/120-10	
380-420	120 VAC	±1.2Hz	2W-FRQ-400/120-40	3W-FRQ-400/120-40	4W-FRQ-400/120-40	
45-55	230 VAC	±.3Hz	2W-FRQ-50/230-10	3W-FRQ-50/230-10	4W-FRQ-50/230-10	
55-65	230 VAC	±.3Hz	2W-FRQ-60/230-10	3W-FRQ-60/230-10	4W-FRQ-60/230-10	
380-420	230 VAC	±1.2Hz	2W-FRQ-400/230-40	3W-FRQ-400/230-40	4W-FRQ-400/230-40	

VU METERS – Taut band, moving coil: Per USA Standard C-16.5 - 1954

VU Meters are supplied with either of the scales shown at the right. Scale A is normally used in recording, Scale B in broadcasting. USA Standard VU Meters are designed to measure specific VU quantities, and read zero VU (or 100%) with 1.228 volts applied to the meter with 3600Ω series impedance. This represents 4 dB above 1 mW in 600Ω. Their impedance is 3900Ω ±10% at zero VU. VU Type DC Microammeters are designed as VU indicators, where the application does not require sophisticated measurements but where VU type indications are required. Resistance is 1900Ω.

Type Scale	Dial Color					
A	Buff	1W-AVU-000-AB	2W-AVU-000-AB	3W-AVU-000-AB	4W-AVU-000-AB	<p>VU Scale “A”</p> <p>VU Scale “B”</p>
B	Buff	1W-AVU-000-BB	2W-AVU-000-BB	3W-AVU-000-BB	4W-AVU-000-BB	
A	White	1W-AVU-000-AW	2W-AVU-000-AW	3W-AVU-000-AW	4W-AVU-000-AW	
B	White	1W-AVU-000-BW	2W-AVU-000-BW	3W-AVU-000-BW	4W-AVU-000-BW	

VU METERS – Taut band, moving coil: DC Microammeter type

A	Buff	1W-DVU-000-AB	2W-DVU-000-AB	3W-DVU-000-AB	4W-DVU-000-AB
B	Buff	1W-DVU-000-BB	2W-DVU-000-BB	3W-DVU-000-BB	4W-DVU-000-BB
A	White	1W-DVU-000-AW	2W-DVU-000-AW	3W-DVU-000-AW	4W-DVU-000-AW
B	White	1W-DVU-000-BW	2W-DVU-000-BW	3W-DVU-000-BW	4W-DVU-000-BW

PYROMETERS – Taut band, moving coil

Temp Range °F	Temp Range °C	Ext. Res. Ohms*	Thermo-couple Type**	1½"	2½"	3½"	4½"	5½"
				Catalog #	Catalog #	Catalog #	Catalog #	Catalog #
-100/+600	-70/+310	10	E	1W-PYR-E600	2W-PYR-E600	3W-PYR-E600	4W-PYR-E600	5W-PYR-E600
-100/+1100	-70/+600	10	E	1W-PYR-E1100	2W-PYR-E1100	3W-PYR-E1100	4W-PYR-E1100	5W-PYR-E1100
0/+300	-20/+150	5	J	1W-PYR-J300	2W-PYR-J300	3W-PYR-J300	4W-PYR-J300	5W-PYR-J300
0/+300	-20/+150	5	E	1W-PYR-E300	2W-PYR-E300	3W-PYR-E300	4W-PYR-E300	5W-PYR-E300
0/+500	-20/+260	10	J	1W-PYR-J500	2W-PYR-J500	3W-PYR-J500	4W-PYR-J500	5W-PYR-J500
0/+500	-20/+260	10	E	1W-PYR-E500	2W-PYR-E500	3W-PYR-E500	4W-PYR-E500	5W-PYR-E500
0/+800	-20/+430	10	J	1W-PYR-J800	2W-PYR-J800	3W-PYR-J800	4W-PYR-J800	5W-PYR-J800
0/+800	-20/+430	10	E	1W-PYR-E800	2W-PYR-E800	3W-PYR-E800	4W-PYR-E800	5W-PYR-E800
0/+1000	-20/+540	10	J	1W-PYR-E1000	2W-PYR-E1000	3W-PYR-E1000	4W-PYR-E1000	5W-PYR-E1000
0/+1000	-20/+540	10	E	1W-PYR-J1000	2W-PYR-J1000	3W-PYR-J1000	4W-PYR-J1000	5W-PYR-J1000
0/+1000	-20/+540	10	K	1W-PYR-K1000	2W-PYR-K1000	3W-PYR-K1000	4W-PYR-K1000	5W-PYR-K1000
0/+1500	-20/+820	10	E	1W-PYR-E1500	2W-PYR-E1500	3W-PYR-E1500	4W-PYR-E1500	5W-PYR-E1500
0/+1500	-20/+820	10	K	1W-PYR-K1500	2W-PYR-K1500	3W-PYR-K1500	4W-PYR-K1500	5W-PYR-K1500
0/+2000	-20/+1100	10	K	1W-PYR-K2000	2W-PYR-K2000	3W-PYR-K2000	4W-PYR-K2000	5W-PYR-K2000
0/+3000	-20/+1650	10	R	1W-PYR-R3000	2W-PYR-R3000	3W-PYR-R3000	4W-PYR-R3000	5W-PYR-R3000

*Must be matched, ±1/4 ohm, with external resistance of thermocouple. **J = iron/constantan, E = chromel/constantan, K = chromel/alumel, R = platinum/platinum – 13% thorium.