

Ref: T118 – Rev 16 – March 02

MODEL	081 082 083 084 125 126 242 244	243 244	128	246	016 083 244 057 058 078	075 056 084 243 246 077 106 079	087
MOVEMENT	80	01	10	10	05	11	
MICROAMMETERS							
100	2060	1282	-	-	-	-	
150	830	1070	2985	1740	-	-	
200	635	510	1715	1305	2945	835	
250	330	410	1370	670	1715	670	
300	270	220	730	560	1430	440	
400	130	165	550	270	1715	215	
500	110	130	285	670	1370	1500	
600	55	68	235	555	730	-	
800	32	40	115	270	550	470	
MILLIAMMETERS							
1	20	20.0	230	215	285	310	
1.5	12	13.3	98	92	190	130	
2	6.5	10.0	74	69	91	70	
2.5	5.0	8.0	30	44	74	50	
3	5.0	7.0	25	37	32	34	
4	4.0	5.0	13	13	17	21	
5	3.5	4.0	11	10.6	14	13	
6	3.2	3.3	9.3	9.2	31	10	
8	3.0	2.5	6.2	5.9	16	8	
10	3.0	1.33	5	5.1	13	6	
15	2.8	1	*	3.1	7.4	3	
20	2.8	*	*	2.9	6.6	2.5	
25		*	*	*	5.3	2	
30		*	*	*	3.5	2	
40		*	*	*	3.1	2	
50		*	*	*	3	2	
INSTRUMENTS WITH INTERNAL SHUNTS							
Shunt Ratings		*75mV 6A to 30A	*75mV 15mA to 30A	*75mV 25mA to 30A	*75mV 60mA to 30A	87.5mV 60mA to 30A	
INSTRUMENTS WITH MECHANICALLY SUPPRESSED ZERO							
1/5mA		5.2	13	13	17	22	
4/20mA	2.5	3.0	2.7	3	7.2	3	
10/50mA		2	N/A	N/A	3.1	2	

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**TECHNICAL SHEET**

**Moving Coil Resistance Values**

MODEL	081 082 083 084 125 126 242 244	243 244	246 128	016 075 083056 242084 244243 057246 058077 078106 079	087
MOVEMENT	80 / 89	01 / 61	10	05	11
<b>MILLIVOLTMETERS</b>					
50	25	25	25	13	10
60	30	30	30	15	12
75	75	75	38	19	15
80	80	80	40	20	16
100	100	100	50	25	20
150	150	150	150	38	30
200	200	200	200	50	40
250	250	250	250	63	50
300	300	300	300	75	60
400	400	400	400	100	80
500	500	500	500	125	100
600	600	600	600	150	120
800	800	800	800	200	160
<b>VOLTMETERS</b>					
1V To 800V	1000ohms/V	1000ohms/V	1000ohms/V	1000ohms/V 1.2V MIN	1000ohms/V 1.2 MIN
<b>CENTRE ZERO, OFF-SET ZERO, SUPPRESSED ZERO MOVEMENTS</b>					
<b>VOLTMETERS</b>					
Movements are rated 1mA regardless of span					
Resistance = Total scale span volts x 1000 ohms					
Examples: 5/0/5V centre zero : R = (5+5) x 1000 = 10kohms					
2/0/10V off-set zero : R = (2+10) x 1000 = 12kohms					
2/10V suppressed zero : R = (10-2) x 1000 = 8kohms					
<b>MILLIVOLTMETERS</b>					
PG10 - Rated 2mA up to 1V regardless of spans 128-100					
PG5 - Movements are rated 4mA regardless of spans (50mV-1.1V)					
PG11 - Movements are rated 5mA regardless of spans (50mV-1.1V)					
PG10 - 2mA 50-100mV & 1mA above. 246-100					
<b>MOVING COIL RECTIFIER FOR AC</b>					
<b>VOLTMETERS 5V to 800V</b>					
Resistance = 900 ohms/V plus approx. 1.2 volt drop across internal rectifier					
<b>MILLIAMMETERS 100uA to 1000mA</b>					
Resistance = equivalent moving coil value plus approx. 1.2 volt drop across internal rectifier					

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The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Tyco Electronics has no control over the field conditions, which influence product installation. It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. Tyco Electronics' only obligations are those in Tyco Electronics' standard Conditions of Sale for this product and in no case will Tyco Electronics be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products. Crompton is a trade mark.



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