

20. WHEN ORDERING SPECIFY ELECTRICAL TRAVEL, RESISTANCE & SHAFT OPTION.
19. SHAFT MAY BE FREELY ROTATED.
18. HARDWARE: 4 EA. 1-72 X 7/8 SCREWS AND 5-40 HEX NUT.
17. GOLD PLATED TERMINALS.
16. PRECIOUS METAL CONTACTS.
15. STAINLESS STEEL SHAFT.
14. ANODIZED ALUMINUM HOUSING.
13. SHAFT FRICTIONAL FORCE: 4 OUNCES, MAX.
12. SHAFT SHOWN IN RETRACTED POSITION.
11. EQUIVALENT NOISE RESISTANCE: 100 OHMS, MAX.
10. LIFE 500,000 CYCLES AT 60 INCHES/MIN.
9. DIELECTRIC STRENGTH: 750 VOLTS AC.
8. POWER RATING: 1 WATT/INCH AT 40 °C, DERATED TO ZERO AT 125 °C.
7. OPERATING TEMPERATURE RANGE: -55° TO +125 °C.
6. TOTAL MECHANICAL TRAVEL: SEE CHART II, ±.030" ELECTRICALLY CONTINUOUS.
5. ACTUAL ELECTRICAL TRAVEL: SEE CHART II, ±.010".
4. INDEPENDENT LINEARITY: SEE CHART III. (SEE SHEET 2)
3. THEORETICAL RESOLUTION: SEE CHART III. (SEE SHEET 2)
2. TOTAL RESISTANCE TOLERANCE: ±5%.
1. TOTAL RESISTANCE: SEE CHART I, OTHER VALUES ON REQUEST

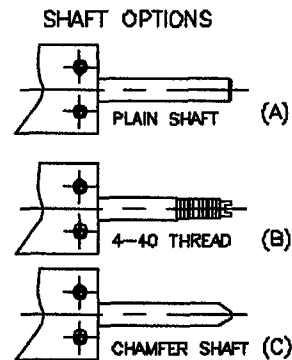
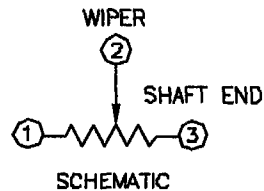


CHART I

RESISTANCE	100,000
104	100,000
503	50,000
253	25,000
203	20,000
103	10,000
502	5,000
252	2,500
202	2,000
102	1,000
501	500
251	250
101	100
50R	50

REVISIONS

C/L	DESCRIPTION	BY	APP'D	DATE
N	ADDED SHAFT DETAILS	AD	ELP	5/4/01
P	ADDED DIM. OVER EYELETS	AD	JAH	11/15/01

CHART II

DASH NUMBER	A	B	MECHANICAL TRAVEL	ELECTRICAL TRAVEL
1	2.00	1.80	1.10	1.000
2	3.00	2.80	2.10	2.000
3	4.00	3.80	3.10	3.000
4	5.00	4.80	4.10	4.000
5	6.00	5.80	5.10	5.000
6	7.00	6.80	6.10	6.000
7	8.00	7.80	7.10	7.000
8	9.00	8.80	8.10	8.000
9	10.0	9.80	9.10	9.000
10	11.0	10.80	10.10	10.000
11	12.0	11.80	11.10	11.000
12	13.0	12.80	12.10	12.000

TOLERANCES UNLESS OTHERWISE SPECIFIED		Precision Sales Inc.			
FRACCTIONS ±1/64	DECIMALS .001 ± .010	Fax: 610.252.1674 Ph: 610.250.1000			
ANGLES ±1/2	.001 ± .005	POTENTIOMETER, LINEAR MOTION			
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		DATE	SCALE	M1326	P
		APP'D	2:1		
		PART NO.	NEXT ASSY.	EM	04/01/88

CAD No. M1326

REDRAWN SHEET 1

ELECT. TRAVEL MECH. TRAVEL	1.000		2.000		3.000		4.000		5.000		6.000		7.000		8.000		9.000		10.000		11.000		12.000	
	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)	RESOL. Δ (%)	LIN. Δ(±%)
50	0.61	1.20	0.37	0.70	0.27	0.60	0.23	0.50	0.20	0.40	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	0.48	1.00	0.30	0.60	0.22	0.50	0.19	0.40	0.20	0.40	0.12	0.24	---	---	---	---	---	---	---	---	---	---	---	---
250	0.35	0.70	0.21	0.40	0.16	0.40	0.14	0.30	0.10	0.20	0.10	0.20	0.09	0.18	0.09	0.19	0.06	0.11	0.07	0.15	0.07	0.14	0.06	0.13
500	0.27	0.60	0.17	0.30	0.13	0.30	0.11	0.20	0.10	0.20	0.08	0.16	0.09	0.18	0.09	0.19	0.05	0.10	0.05	0.10	0.06	0.11	0.05	0.10
1,000	0.22	0.50	0.13	0.30	0.11	0.20	0.09	0.20	0.10	0.20	0.08	0.16	0.09	0.18	0.08	0.16	0.03	0.07	0.03	0.07	0.06	0.11	0.04	0.08
2,000	0.24	0.50	0.11	0.20	0.09	0.20	0.07	0.15	0.07	0.14	0.07	0.14	0.06	0.12	0.04	0.08	0.05	0.09	0.05	0.10	0.04	0.08	0.04	0.07
2,500	0.22	0.40	0.10	0.20	0.07	0.15	0.06	0.12	0.06	0.12	0.06	0.12	0.06	0.12	0.04	0.08	0.03	0.06	0.03	0.06	0.04	0.08	0.04	0.08
5,000	0.18	0.40	0.11	0.20	0.06	0.14	0.05	0.12	0.06	0.12	0.06	0.12	0.05	0.09	0.04	0.08	0.03	0.06	0.03	0.06	0.04	0.08	0.04	0.08
10,000	0.15	0.30	0.09	0.20	0.07	0.14	0.06	0.12	0.05	0.10	0.04	0.08	0.04	0.08	0.04	0.07	0.03	0.07	0.03	0.07	0.03	0.05	0.03	0.06
20,000	0.12	0.24	0.08	0.15	0.06	0.12	0.05	0.10	0.04	0.07	0.04	0.08	0.03	0.08	0.03	0.06	0.03	0.05	0.03	0.05	0.02	0.04	0.02	0.04
25,000	0.12	0.23	0.07	0.14	0.05	0.10	0.04	0.08	0.03	0.07	0.03	0.06	0.02	0.06	0.03	0.06	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.04
50,000	0.09	0.17	0.05	0.10	0.04	0.08	0.04	0.08	0.03	0.05	0.03	0.05	0.02	0.04	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.03	0.02	0.03
100,000	---	---	0.04	0.09	0.03	0.05	0.02	0.05	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.04	0.02	0.04	0.02	0.03	0.02	0.03	0.01	0.02

RESOLUTION AND LINEARITY CHART

CHART III

6. TOTAL MECHANICAL TRAVEL: SEE CHART III, ±.030" ELECTRICALLY CONTINUOUS.
5. ACTUAL ELECTRICAL TRAVEL: SEE CHART III, ±.010".
4. INDEPENDENT LINEARITY: SEE CHART III.
3. THEORETICAL RESOLUTION: SEE CHART III.
2. TOTAL RESISTANCE TOLERANCE: ±5%.
1. TOTAL RESISTANCE: SEE CHART III, OTHER VALUES ON REQUEST.

TOLERANCES UNLESS OTHERWISE SPECIFIED		Precision Sales Inc	
FRACTIONS 1/64	DECIMALS .01 .005 .001	POTENTIOMETER, LINEAR MOTION	
ANGLES 1/2°		CUSTOMER	
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PART NO.	NEXT ASSY.	XMI 326	M1326