

ELECTRICAL

RESISTANCE RANGE _____ SEE CHART
 TOTAL RESISTANCE TOLERANCE. _____ ±3%
 INDEPENDENT LINEARITY
 TOLERANCE. _____ ±.25%
 NOISE _____ BELOW 100 OHMS E.N.R.
 INSULATION RESISTANCE _____ OVER 100M OHMS @ 500 V.D.C.
 DIELECTRIC STRENGTH _____ 1 MINUTE @ AT 900 V.A.C
 MAX. WORKING VOLTAGE _____ 300V

NON-STANDARD OPTIONS

MACHINED SHAFTS
 EXTRA TAP
 HYBRID ELEMENT
 SPECIAL LINEARITY

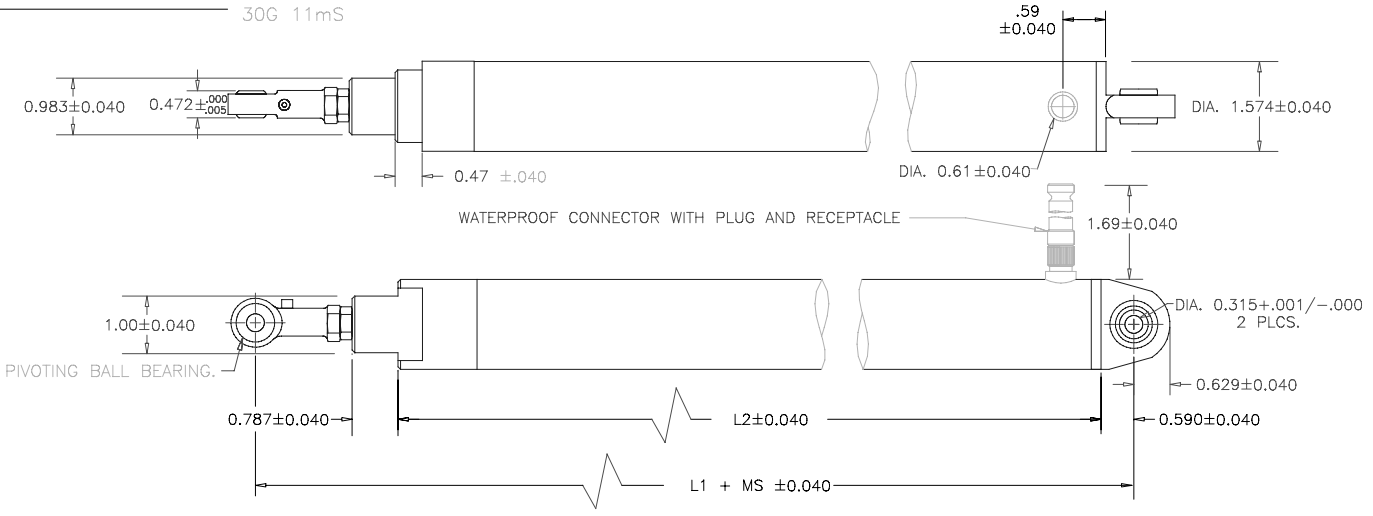
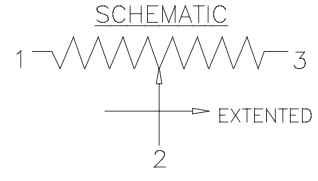
REV.	BY	DATE	P/N	LO40C
A	AT	12-16-02	REVISED	CHARTS

MECHANICAL

FRICTION _____ BELOW 20N (2000 gf)
 STOPPER STRENGTH _____ APPROX. 90N (9kgf)
 MECHANICAL STROKE _____ (SEE CHART)

ENVIRONMENTAL

OPERATING TEMPERATURE _____ -30°C TO +105°C
 MOISTURE RESISTANCE _____ 40°C 95%RH 2000 HOURS
 VIBRATION _____ 10Hz TO 2,000Hz 10G
 SHOCK _____ 30G 11mS



RESOLUTION CHART.

RESISTANCE OHMS	100	200	500	1K	2K	5K	10K	20K	50K	
MODEL #										
LO40C-100	0.19%	0.19%	0.11%	0.13%	0.10%	0.07%	0.06%	0.05%	-----	
LO40C-200	0.12%	0.10%	0.07%	0.06%	0.06%	0.05%	0.04%	0.02%	0.02%	
LO40C-300	-----	0.07%	0.05%	0.04%	0.05%	0.03%	0.03%	0.02%	0.01%	
LO40C-400	-----	0.07%	0.05%	0.04%	0.03%	0.04%	0.03%	0.02%	0.01%	
TEMPERATURE COEFFICIENT	± 80 P.P.M.					±20 P.P.M.				

MODEL #	ELECT. STROKE	MECH STROKE	L1	L2	POWER RATING	WEIGHT
LO40C-100	3.94±.04	4.13 ~	12.91	9.92	1.0W	2.2LBS
LO40C-200	7.88±.04	8.07 ~	16.85	13.85	2.0W	2.6LBS
LO40C-300	11.82±.04	12.00 ~	20.79	17.79	3.0W	3.3LBS
LO40C-400	15.75±.04	15.95 ~	24.73	21.73	4.0W	3.9LBS

TOLERANCES
 XX = +/- .010" FRACT. = +/- 1/64"
 XXX = +/- .005" ANGLES = +/- 1/2"
 ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

SCALE	DATE: 11-06-02
NTS	BY AT
CODE IDENT: 19477	APPRV'D

www.precisionsales.com
 610-359-1002
 F : 610-353-1674

TITLE
 OIL FILLED
 LINEAR MOTION
 POTENTIOMETER

PART NO.
 LO40C