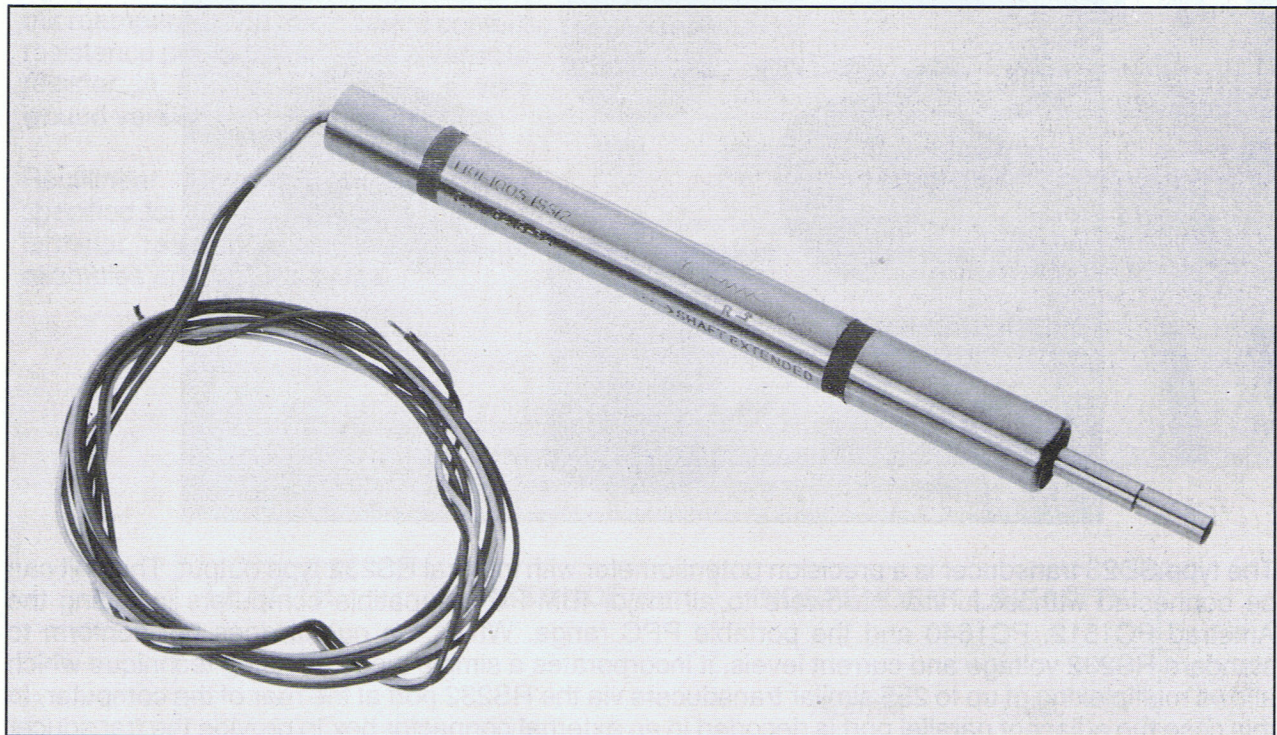




RECTILINEAR POTENTIOMETERS HIGH TEMPERATURE – TYPE L101

This design of rectilinear potentiometer is for heavy duty use under rugged conditions at temperatures up to 200°C, and hydrostatic pressures up to 600 Bars. Two sizes are available, type L101-1005 has a linear displacement of 2 inches, and type L101-1006 has a linear displacement of 4 inches.



SPECIFICATION

Resistance	5000 ohms
Resistance tolerance	± 10 %
Linearity	± 0.5 %
Output error	± 0.5 % (2.5 to 97.5 % movement)
Resolution	0.05%
Power rating 40°C	1 watt per inch
Power rating 100°C	0.1 watt per inch
Temperature range	-40 to 200°C
Insulation resistance	50 M ohms at 500v d.c.
Backlash	less than resolution
Actuating force	450 gms max
Life	1 million oscillations
Shock	50g over 11mS
Vibration	15g 20 to 2000 Hz
Lead length	1 metre
Shaft diameter	0.1875 inches plain or threaded