MODEL 141
LINEAR POSITION TRANSDUCER

FEATURES:
- Compact
- Lightweight
- O ring seal
- Long life
- Infinite resolution (optional)
- Low noise
- Meets Mil spec environments
- Free shaft rotation
- AC or DC
- No backlash
- Self-lubricating bushings
- Dual Output and shaft options available
- Flexible wire leads
MODEL 141  
LINEAR POSITION TRANSUDER

SPECIFICATIONS

STANDARD RANGES ........... 3/16, 1/4, 5/16, 3/8, 7/8 inches  
STANDARD RESISTANCES .... 1K, 2K, 5K, 10K Ohms  
                        ± 10%
LINEARITY  
            (INDEPENDENT) ......... ± 1% of range
END SETS .......... ± 2.5%, 2.5% to 97.5% of range
RESOLUTION ............. 0.001 inch (typical)
POWER RATING .......... 0.8 watts/inch @ 70°F
OPERATING TEMPERATURE  
            RANGE ............ −67°F to +250°F

INSULATION RESISTANCE ... 50 Megohms @ 500VDC
BACKLASH ............... Negligible
SHAFT ACTUATING FORCE ... 4 oz. max @ 70°F
LIFE .................... 500,000 cycles
SHOCK ................... 50 G for 6.5 msecs.
VIBRATION ............... 20 G, 20-20,000 Hz
ACCELERATION ........... 100 G

Specifications are typical. Please contact Bourns Instruments, Inc. for special requirements.

Specifications and dimensions are subject to change without prior notice.

BOURNS  
INSTRUMENTS, INC.  
6135 Magnolia Ave., Riverside, CA 92506  •  TWX 910-332-6103  •  Telephone 714 781-5148

Printed in U.S.A.