

Model 224

TRIMPOT® Potentiometer

High Temperature, Humidity-Proof,

Wirewound

FEATURES

- · Meets or exceeds all requirements of MIL-R-27208
- High power dissipation
 1.0 watt at 70°C
- High operating temperature (175°C)
- Sealed against humidity, liquids, and potting & soldering compounds.
- · 22-turn screwdriver adjustment.
- SILVERWELD® termination alloys with multiple resistance wires and eliminates vulnerable single wire termination.
- Excellent shock, vibration, and acceleration stability due to self-locking adjustment screw.
- Each instrument individually inspected for guaranteed electrical and physical characteristics.



Actual Size









Panel Mount Model 224 available with leads or solder lugs. **

STANDARD RESISTANCES

Resistance (ohms)		Nominal		
	224L stranded insulated leads	224S solder lugs	224P printed circuit pins	Resolution (percent)
10	224L-1-100	2245-1-100	224P-1-100	1.90
20	224L-1-200	2245-1-200	224P-1-200	1.50
50	224L-1-500	2245-1-500	224P-1-500	1.10
100	224L-1-101	2245-1-101	224P-1-101	0.87
200	224L-1-201	2245-1-201	224P-1-201	0.69
500	224L-1-501	2248-1-501	224P-1-501	0.71
1,000	224L-1-102	2248-1-102	224P-1-102	0.58

SPECIAL RESISTANCES AVAILABLE FROM 10 OHMS TO 100K

^{*}The last three digits of the part number represent the resistance in standard code.

Resistance (ohms)		Nominal		
	224L stranded insulated leads	224S solder lugs	224P printed circuit pins	Resolution (percent)
2,000	224L-1-202	2245-1-202	224P-1-202	0.46
5,000	224L-1-502	2245-1-502	224P-1-502	0.34
10,000	224L-1-103	2245-1-103	224P-1-103	0.27
20,000	224L-1-203	2245-1-203	224P-1-203	0.25
25,000	224L-1-253	2245-1-253	224P-1-253	0.23
50,000	224L-1-503	2248-1-503	224P-1-503	0.19
100,000	224L-2-104		224P-2-104	0.13

** When ordering Panel Mount Model, add "M" to part number. Example: 224L-1-103M. See Panel Mount Bulletin for additional details.

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Mechanical Adjustment ...

Weight Terminals:

SPECIFICATIONS ELECTRICAL CHARACTERISTICS

Sand and Dust	Meets MIL-E-5272, Procedure 1
Salt Spray	Materials meet MIL-R-27208
Fungus	Materials meet MIL-E-5272
Mechanical Life	500 cycles without discontinuity
Room Conditions	MIL-R-27208 1500 volts A.C. 500 volts A.C.
PHYSICAL CHARACTERISTICS	
Immersion Leak Test*	
Shaft Torque*	5.0 ozin. maximum
	anufacturer's name, wiring diagram, date code, sistance and manufacturer's part number (cus-

Entrinorment of the control of the c	
Power Ratings: 70°C	10
125°C	
Operating Temperature Range	—65 to +175°C
Temperature Coefficient Per MIL-R-27208	50 ppm/°C maximum
Moisture Resistance, MIL-R-27208 100 megohms minin ance after removal	
Vibration Contact Bounce	millisecond maximum
Shock Contact Bounce and Wiper Shift	

tomer's part number optional)

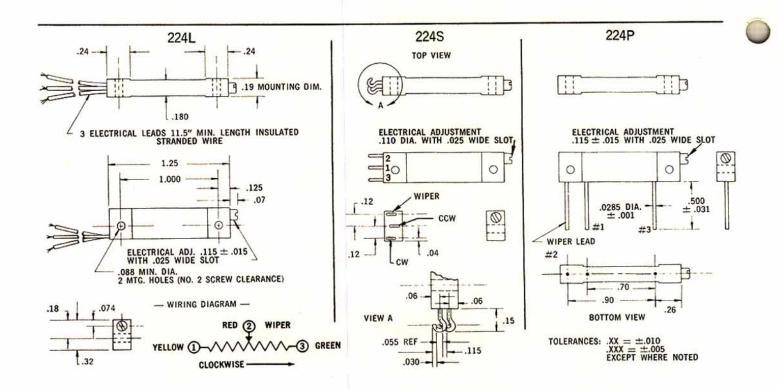
...... Legible markings, no physical defects

22 turns nominal

to insure foremost quality.

Specification Note: Closer performance tolerances can be supplied upon request.

Specifications subject to change without notice.



NOTE: SEALING CEMENT MENISCUS ON FLEXIBLE LEADS: 0 to .063" MAXIMUM SEALING CEMENT MENISCUS ON SOLID TERMINALS: 0 to .032" MAXIMUM



