ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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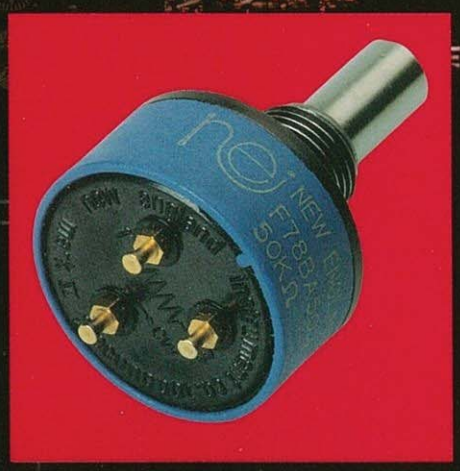
Find the *Honeywell / New England Instrument F78BC103* at our website: *Click HERE*

Standard Precision MKV Potentiometers

Honeywell

Position Measurement Sensor

F78S, F78C, F78B, F78E



SPACE AGE SENSORS FOR DOWN TO EARTH NEEDS

Artisan Technology Group - Quality instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Honeywell

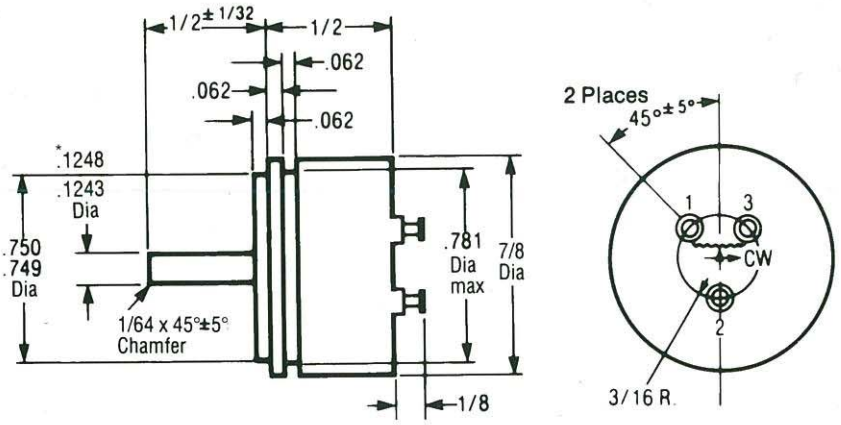
FEATURES

- NEI's conductive plastic RESISTOFILM®
- Precious metal contacts
- Stainless steel shafts
- Molded housings
- Solderable terminals
- Anodized aluminum mounting plates
- Stainless steel ball bearings (F78S only)

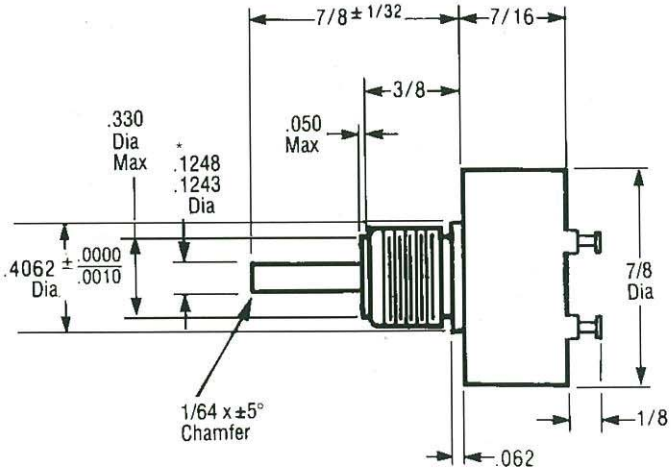
OPTIONS
(CONTACT FACTORY)

- Shaft extension up to 2"
- Shaft flat, slot
- Electrical angle
- Low torque (F78S) down to 0.2 oz-in min
- High torque (F78B, F78E) up to 6 oz-in max
- Resistance tolerance to ±5.0%
- Anti-rotation pin (F78B, F78E)

SERVO MOUNT MODELS-MKV



BUSHING MOUNT MODELS-MKV



Unless otherwise specified: Decimal dimensions ± 0.005
Fractional dimensions ± 1/64

*0.2498/0.2493 Diameter shaft available in MKV (except F78E)

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Honeywell

Standard Precision MKV Potentiometers






TYPE NUMBER	F78S	F78C	F78B	F78E
Electrical Parameters				
Independent Linearity-Standard	± 1.0%, ± 0.5% ± 0.25%	± 1.0%, ± 0.5%, ± 0.25%	± 1.0, ± 0.5%, ± 0.25%	± 1.0, ± 0.5%, ± 0.25%
Total Resistance (ohms) (Including Specials)	500 to 200K	500 to 200K	500 to 200K	500 to 200K
Resistance Tolerance - Standard	± 10%	± 10%	± 10%	± 10%
Theoretical Electrical Travel	340	340	340	340
Power Rating @70°C (watts)	1.0	1.0	1.0	1.0
Output Smoothness per MIL-R-39023	0.5%, 0.25%, 0.15%	0.5%, 0.25%, 0.15%	0.5%, 0.25%, 0.15%	0.5%, 0.25%, 0.15%
End Voltage (max) (% of total applied voltage)	1.0%	1.0%	1.0%	1.0%
D c Withstanding Voltage (RMS)	750	750	750	750
Insulation Resistance (min)	1000 megohms	1000 megohms	1000 megohms	1000 megohms
Resolution (virtually infinite)	yes	yes	yes	yes
Mechanical Parameters				
Mechanical Travel	360°	360°	360°	360°
Mounting Type	servo	servo	bushing	bushing
Bearing Type	ball	sleeve	sleeve	sleeve
Mounting Thread	n/a	n/a	3/8-32 NEF	1/4-32 NEF
Stop Strength (nominal)	n/a	n/a	n/a	n/a
Weight (max)	16 grams	16 grams	16 grams	16 grams
Life Expectancy (cycles)	20,000,000	10,000,000	10,000,000	10,000,000
Torque (oz-in max)	0.5	1.0	1.0	1.0
End Play (max)	0.005	0.005	0.005	0.005
Shaft Diameter (inches)	1/8 or 1/4	1/8 or 1/4	1/8 or 1/4	1/8
Environmental Data				
Shock	per MIL-STD-202	per MIL-STD-202	per MIL-STD-202	per MIL-STD-202
Vibration	per MIL-STD-202	per MIL-STD-202	per MIL-STD-202	per MIL-STD-202
Temperature Range (operational)	-65°C to + 125°C	0°C to + 125°C	0°C to + 125°C	0°C to + 125°C
Temperature Range (storage)	-65°C to + 125°C	-65°C to + 125°C	-65°C to + 125°C	-65°C to + 125°C

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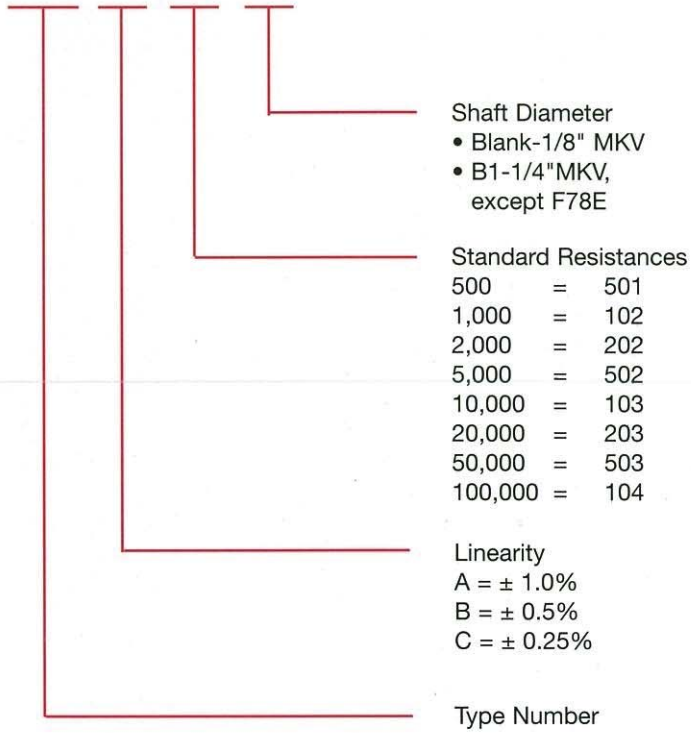
Standard Precision MKV Potentiometers

F78S, F78C, F78B, F78E

ORDERING INFORMATION

(F78S, F78C, F78B, F78E)

Example: F78S A 103



Shaft Diameter
- Blank-1/8" MKV
- B1-1/4"MKV, except F78E

Standard Resistances

500	=	501
1,000	=	102
2,000	=	202
5,000	=	502
10,000	=	103
20,000	=	203
50,000	=	503
100,000	=	104

Linearity
A = ± 1.0%
B = ± 0.5%
C = ± 0.25%

Type Number

Honeywell

Printed in the USA 10/97 - Rev. NC

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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