

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

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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REV.	BY	DATE	APPRVL.	P/N MW22B
D	AT	8-31-23		LINEARITY 0.15% WAS 0.25%

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE	100 TO 100,000 OHMS
RESISTANCE TOLERANCE	± 5%
INDEPENDENT LINEARITY	SEE CHART
POWER RATING	SEE CHART
ELECTRICAL NOISE	100 OHMS MAX.
ELECTRICAL ANGLE	SEE CHART
END RESISTANCE	1 OHM OR 1% MAX.
RESOLUTION	SEE CHART
INSULATION RESISTANCE	1000 MEGOHMS MIN,@ 500VDC
DIELECTRIC STRENGTH	1000 VAC MIN.

MECHANICAL

MECHANICAL ANGLE	SEE CHART
STOP STRENGTH	48 OZ.IN.
STARTING TORQUE	1.4 OZ. IN. MAX.
ROTATIONAL LIFE	1,000,000 REVOLUTIONS
WEIGHT	0.8 OZ.

ENVIRONMENTAL

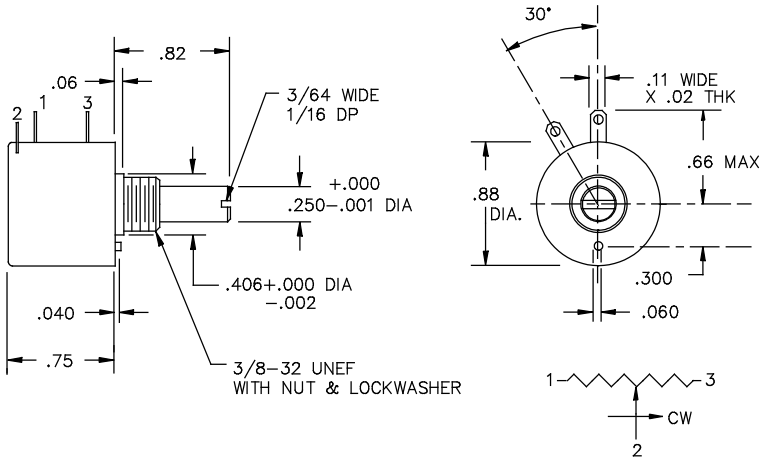
OPERATING TEMPERATURE	-55° TO +105°C
TEMPERATURE COEFFICIENT	SEE CHART
VIBRATION	10Hz TO 2,000Hz 15G
MOISTURE RESISTANCE	40°C95%RH 120 HOURS
SHOCK	50G 11mS

MATERIALS

HOUSING	HIGH TEMP. THERMO PLASTIC
TERMINALS	GOLD PLATED BRASS
BUSHING	BRASS
SHAFT	STAINLESS STEEL
RESISTIVE ELEMENT	WIREWOUND

NON-STANDARDS AVAILABLE

MULTI-GANGED UP TO 6 SECTIONS
REAR SHAFT EXTENTION
FRONT SHAFT MODIFICATIONS



RESOLUTION CHART

RESISTANCE (OHMS)	50	100	200	500	1K	2K	5K	10K	20K	50K	100K
MW22B-1 TURN	0.60	0.50	0.40	0.30	0.25	0.20	0.20	0.16			
MW22B-3 TURN	.15	.12	.090	.070	.056	.058	.045	.036	.030	.027	
MW22B-5 TURN	.10	.08	.064	.050	.040	.042	.032	.026	.021	.019	
MW22B-10 TURN	.06	.05	.040	.030	.025	.020	.020	.016	.013	.010	.009
TEMPERATURE COEFFICIENT PPM/°C	±700	±20									

MODEL	ELECTRICAL ANGLE	MECHANICAL ANGLE	LINEARITY INDEPENDENT	POWER RATING
MW22B-1	360°±5°	360°+10°/-0°	±0.5%	0.5WATT
MW22B-3	1080°±5°	1080°+10°/-0°	±0.5%	1 WATT
MW22B-5	1800°±5°	1800°+10°/-0°	±0.3%	1 WATT
MW22B-10	3600°±5°	3600°+10°/-0°	±0.15%	2 WATT

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

SCALE	DATE: 4-18-85
NONE	BY BT
	APPRV'D
CODE IDENT: 19477	

ETI SYSTEMS
CARLSBAD
CALIFORNIA

TITLE
MULTI-TURN
POTENTIOMETER

PART NO.
MW22B

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

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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