

Series MPG-N2 SIZE 20 FLAT-DESIGN HAND WHEEL



US \$280.00 (Sgl. Dial)
S.R.P. List Price

FEATURES

- 2" O.D. Compact size MPG
- Flat-design
- Zinc metal dial & body
- 100 ppr Std. only
- Dual Quadrature Channels
- Line driver 5v and TTL 5v Outputs

SPECIFICATIONS

Electrical

Outputs	Line Driver	TTL (NPN)
Pulse per Revolution	100 PPR	
Supply Voltage	5 v±0.25 v	5 v dc
Output Voltage (VH)	≥2.5 v	Vcc -1.0 v
Output Voltage (VL)	≤0.5 v	
Current Requirement	≤60 mA (No Loading)	
Sink Current	≤20 mA	
Output Capacity	Sync. Current: 20 mA, Residual Voltage: ≤0.5 v	
Phase Difference	Quadrature Square Wave A & B: 90°±45° (T/4±T/8)	
Rise/Fall Time	≤2 μs	
Frequency Response	0-10 kHz	
Insulation Resistance	20 MΩ At 500 v dc Megger (Circuit-Body)	

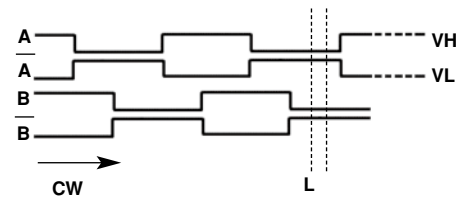
Mechanical

Dial Rotating Speed	600 r/min. Max., 200 r/min.-Normal (Continuous)
Starting Torque	8.34 ozf-in (600 gf-cm) at 25°C
Rotational Life	10x 6 bits turns at ≤ 200 rpm
Weight	8 oz. (270g)

Environmental

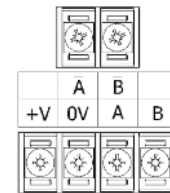
Operating Temperature	0° to 60° C
Humidity	RH 35% to 90% no condensation
Storage Temperature	0° to 80° C
Vibration	10-50 Hz/1.5mm X, Y, Z - 2 hrs. each
Shock	50 G per 11 ms
Enclosure	IP50/NEMA 12

OUTPUT WAVE FORMS



Relation between output signals
and click stop position.

ELECTRICAL CONNECTION



Linedriver Outputs

Series MPG-N2 / Size 20 Flat-Design Hand Wheel/Metal Sgl. Dial

MODEL NUMBER	SPECIFICATION	LIST PRICE
MPG-N2-100-L5	100 Pulse, 5vDC, Linedriver Output, Quadrature Dual Channels	\$280.00
MPG-N2-100-T	100 Pulse, 5vDC, TTL Output, Quadrature Dual Channels	\$280.00

Dimensions (mm)

