

Suggestions and cautions on the use of motor-potentiometers

1) Our standard input voltage for the motor is 6 V.D.C. and other input voltages such as 12 V.D.C., 24 V.D.C., and etc. are also available on request.

As the rated voltage of motor is usually lower than that of potentiometer, when checking the insulation resistance and dielectric strength of the motor-potentiometer, please do not load with over 100 V on the unit.

2) The rotating direction of the shaft of potentiometer which drives from motor is depending on a reduction gear ratio of the reduction gear to be incorporated.

When using, please confirm the rotating direction to avoid any inconveniences.

3) We can supply our motor-potentiometers with slipping torque of up to approx. $0.1\text{N}\cdot\text{m}$ ($1\text{kgf}\cdot\text{cm}$) by adjusting at our side to your request in advance. Our standard slipping torque is $50\text{mN}\cdot\text{m}$ ($500\text{gf}\cdot\text{cm}$), unless otherwise specified. But the load to the shaft is to be adjusted by within 1/3 of slipping torque value.

4) When rotating the motor through the amplifier, the motor-speed does not always become a linear function.