

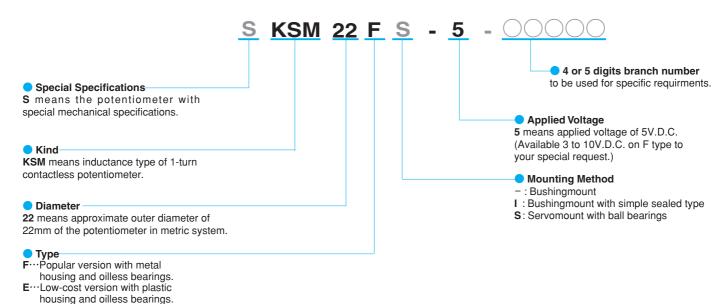
1-TURN CONTACTLESS POTENTIOMETER

(Inductance Type)

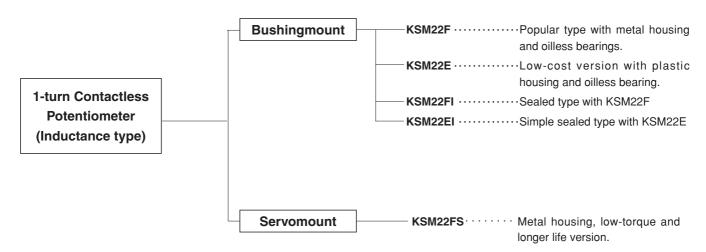
This is a 1-turn Contactless Potentiometer using inductance coil technology, which has been developed based on our own technical know how (Japan pat.No.3009764).

This Contactless Potentiometer has various excellent features such as semipermanent life expectancy, being completely free from sliding noise, high speed tracking ability, essentially infinite resolution, etc. and can be used as an angle detecting sensor or mechanical linear displacement sensor for various kinds of mechanical and electrical devices as well as robot devices, medical equipments, measure control instruments, etc.

THE NOMENCLATURE OF SAKAE 1-TURN CONTACTLESS POT. SERIES



SELECTION GUIDE





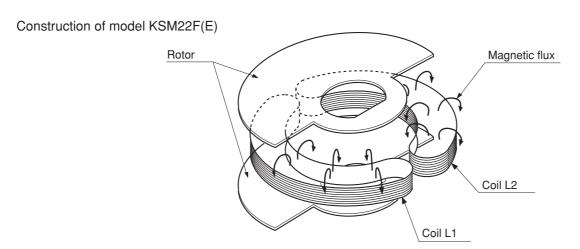
Technical Explanation on Inductance Type Contactless Potentiometer

Principle · Construction · Function

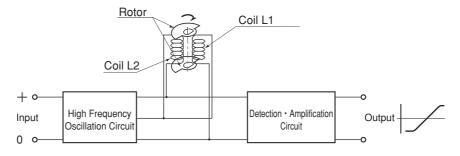
connected to the operating shaft, a pair of detective coil oscillator, in the housing case. When rotating the shaft, the putted between the semicircle rotor, high frequency area volume opposed between the semicircle rotor and the oscillator to apply the coil, and a detection circuit which coil varies, which brings on output change in response to takes an inductance change of the coil from an eddy

This contactless potentiometer has a pair of semicircle rotor current on the semicircle rotor caused by high frequency the rating angle.

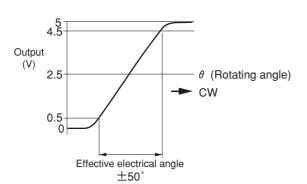
Relationship between the semicircle rotor and the detection coil



Oscillator and Detection Circuit



Output Claracteristic



Leadwire (Terminal) Connection Diagram

