

APPLICATION NOTES
REFLEX[®] MODEL 259 VOLTAGE TO FREQUENCY CONVERTER
(PRECISION OSCILLATOR)
PART NUMBER 12M03-00146-01

1. The V/F Converter can be used as a precision Voltage Controlled Oscillator in applications requiring a Phase-locked loop regulator.
2. It may be used with the REFLEX Model 210 MOP to provide extended acceleration and deceleration times and where extremely accurate ramp times or remote adjustment of the ramp rate is required. The output terminal 5 is connected directly to the Clock In, terminal 14 of the MOP.
3. It may also be used with the REFLEX Model 210 MOP to construct a wide-range programmed-torque center-wind drive. (See Simplified Schematic Drawing AN-0123).
4. It may be used as a frequency reference for digital speed regulators. While accuracy is not as good as a crystal-based reference, the cost and adjustability make it useful in cases where digital speed control is important for load regulation or where the speed will be adjusted frequently. Use with the REFLEX Model 206 Precision Reference is recommended.