



MSR Style Rotator

Rotator Model and Serial Number

Pine Technician (sign and date here)

Tachometer Make, Model, and Serial Number

Tachometer Calibration Date

Voltmeter Make, Model, and Serial Number

Voltmeter Calibration Date

Important Notes Regarding Rotation Rate Calibration for MSR Style Rotators:

- The rotation rate for this style of rotator is certified to within $\pm 1\%$ of the setting on the control box.
- This calibration is valid only for the specific control box and rotator motor combination with the serial number specified above. Control boxes and motors must be calibrated together as a complete system (*i.e.*, control boxes and rotator motors are not interchangeable, and a recalibration is required if either component is changed).

Control Box Setting	Expected Rotation Rate	Tachometer Reading (RPM)	Output Signal (volts)
100	100 \pm 1.0 RPM		
200	200 \pm 2.0 RPM		
500	500 \pm 5.0 RPM		
1000	1000 \pm 10.0 RPM		
2000	2000 \pm 20.0 RPM		
5000	5000 \pm 50.0 RPM		
8000	8000 \pm 80.0 RPM		

SAFETY WARNINGS:

Each rotating electrode type (shaft and/or tip) offered by Pine for use with an MSR style rotator has a unique Maximum Rotation Rate.

Never Exceed the Maximum Rotation Rate for a given rotating electrode.

Use Extreme Caution when rotating electrodes above 2000 RPM.