

HS2-MPX

Anode Rotator

Application:

For increased power requirements, the **HS2-MPX** is designed for normal and high speed rotation of x-ray tube anodes.

Technical Specifications:

Weight: 70 lbs. (starter and cabinet) Shipping Weight: 86 lbs.

Power Supply:

208/240 VAC single phase 15 amp "R" stator -or- 30 amp "Q" stator - UL approved
-or- 277 VAC single phase 12 amp "R" stator -or- 20 amp "Q" stator - **not** UL approved

Stator Power and Operation:

	Low speed - 60Hz		High speed - 180Hz		AC brake	DC brake
	start	run	start	run		
R	220V	54V	440V/490V	100V	220V	60VDC
Q	220V	52V	340V	80V	220V	50VDC

Stator connections made directly to a terminal strip in the unit
440V/490V is selectable at time of installation

Brake Sequence:

High speed to low speed = AC brake
Low speed to stop = DC brake (optional), Activated by switch on board
*Starter will not change over until spinning tube is braked

Logic Inputs:

Input opto-isolators require 5 - 24V AC or DC, or 110V AC or DC from generator
If generator power not possible, +24V DC available from starter

Command Inputs:

1. Rad Prep - usually from the handswitch circuits
2. Fluoro - usually from the footswitch circuits
3. High speed select - usually from the tube protector
4. Spot film transfer - usually "RL" from the spot filmer
5. Tube 2 select
6. Tube 3 select

Logic Outputs:

- (Both output relay contacts: 3 amps max at 30V DC or 250V AC)
1. Standard X-ray inhibit interlock - N.O. contacts close during run
 2. Auxiliary relay - N.O. & N.C. contacts - switch programmable to energize for:
 - a) High speed selected (for possible tube protector use)
 - or- b) Brake on (for filament circuits - tube changeover inhibit)

Acceleration Times:

16 - (low accel / high accel / low to high accel) time combinations switch selectable
*Time for each of the three tubes independently selected

Additional Switch Programming:

1. High speed hold (hangover) times:
0, 20, 40, 60 sec, 10, 15, 20, 30 min.
2. High speed for all spot films
3. 0.75 sec exposure inhibit between high speed hold and spot film transfer.
*This allows time for filament warm-up and cassette vibration dampening.
4. "Rad prep" or "high speed select" input starts anode rotation

Documentation:

Manual supplied with complete installation instructions, theory of operation, troubleshooting guide, complete schematics, and detailed parts list.

Dimensions and Mounting Hole Pattern:

