

M139 option: Increases pulse output hysteresis to a percentage of a shaft revolution (depending on model). That is, the encoder generates pulses as long as it continues to rotate in one direction. If the direction reverses then pulse output ceases until the encoder returns to its original direction of rotation and to its position before reversing. If the reverse direction exceeds the hysteresis maximum then the encoder resets itself and begins generating pulses in the reverse direction.

Example model number: RH-192AJ/8-30C M139

Description: RH encoder with 192 pulses per revolution, 8-30 vdc supply, NPN open collector, and enhanced anti-jitter option.

Encoder Model	Hysteresis Maximum	Maximum RPM	Maximum reverse direction linear movement	
			Assuming 12" wheel	Assuming 30cm wheel
RH-192AJ/... M139	85.33 revolutions	1500	1024"	2560cm
RH-P300AJQ/...	43% of a revolution	1500	5.1"	12.75cm
...-500/500/1500/... M144	8.5% of a revolution	1500	1.0"	2.56cm
RH-1536/... M139	21.33 revolutions	1500	256"	640cm
...-168/... M139	97.52 revolutions	1500	1170.3"	2925.7cm
RH-P480/... M196	68.27 revolutions	1500	819.2"	2048cm

Rev	Description	Date	Tolerances	M139 option: Encoder with Enhanced Anti-Jitter feature		
c	Added ...-1500/500/500/... M144 to table	5/29/02	.XXXX ± .005 .XXX ± .005 .XX ± .01 .X ± .015 Fractions ± 1/32 Angles ± 15 min. Runout ± .003 <small>Unless otherwise specified</small>	BY: TRD	MAT'L: n/a	
d	Added RH-1536/... M139 to table	2/26/03		DATE: 4/16/01	FINISH: n/a	SCALE: n/a
e	Added ...-168/... M139 to table	12/21/04		PHOTOCRAFT, Inc. Elburn, Illinois 8A139f		
f	Added ...-P480/... M196 to table	10/10/07				