








MicroE Systems Encoder Selector Chart

	Model	Features	Key Specifications
MERCURY II ENCODERS Tape or glass scales with stick-on index markers 	Mercury II™ 4000 Series Encoders	Programmable resolution, output frequency & alarms; tiny sensor, stick-on index, limits, easy alignment, setup software	Linear Resolution: 5µm – 0.0012µm* Rotary Resolution: 66k CPR – 268M CPR* Output: A-quad-B, Index, and Dual Limits Tape or Glass Scales
	Mercury II™ 1900 Encoders	Analog output encoder, resolution set by customer controller, tiny sensor, stick-on index, easy alignment, setup software	Linear Resolution: 5µm – 0.005µm Output: Analog Sine/Cosine with Index Linear Tape or Glass Scales
	Mercury II™ 1600 Encoders	Digital output with 0.5µm resolution, tiny sensor, stick-on index, easy alignment, setup software	Linear Resolution: 0.5µm Output: A-quad-B with Index Tape Scales
MERCURY ENCODERS Smallest sensor 	Mercury™ Programmable Encoders	Programmable resolution, output frequency & alarms; tiny sensor, easy alignment, setup software	Linear Resolution: 5µm – 0.005µm* Rotary Resolution: 6.6k CPR – 67.1 M CPR* Output: A-quad-B with Index, Serial Interface Linear or Rotary Glass Scales
	Mercury™ Digital Output Encoders	Digital output with fixed resolution, tiny sensor, easy alignment, setup software	Linear Resolution : 0.5µm – 0.05µm Rotary Resolution: 6.6k CPR - 6.5M CPR Output: A-quad-B with Index Linear or Rotary Glass Scales
	Mercury™ Analog Output Encoders	Analog output encoder, resolution set by customer controller, tiny sensor, easy alignment, setup software	Linear Resolution : 5µm to 0.078µm Rotary Resolution: 6.6k CPR - 4.2M CPR Output: A-quad-B with Index Linear or Rotary Glass Scales
MERCURY VACUUM ENCODERS Smallest vacuum sensor 	Mercury™ Vacuum Encoders	Tiny sensor, programmable resolution, output frequency, alarms, tiny sensor, easy alignment, setup software; rated to 10 ⁻⁸ torr	Linear Resolution: 5µm – 0.005µm* Rotary Resolution: 6.6k CPR – 67.1 M CPR* Output: A-quad-B with index, Serial Interface, Analog sine/cosine with index Linear or Rotary Glass Scales
MINIATURE SURFACE MOUNT ENCODER 	ChipEncoder™	Surface mount packaging for high performance, high volume applications	Linear Resolution: 10µm – 1µm* Rotary Resolution: 3.3k CPR – 327k CPR* Output: A-quad-B with index Linear or Rotary Glass Scales
SEALED ROTARY ENCODERS 	DRC Encoders	Compact design, sealed rotary styles, with and without bearings	Rotary Resolution: 200 CPR – 360k CPR* Output: A-quad-B with Index

*Resolution, output and scale options vary by model.