



CURRENTLY AVAILABLE RESOLUTIONS

May, 2009

Resolutions shown below are defined as Cycles Per Revolution (CPR). Please contact the factory at 800-873-8731 if you cannot find the resolution you require.

Encoder Model Series HD2.0, E2.0, ET23, H420, H426 and S20		
1, 24, 25, 35, 40, 60, 100, 120, 192, 200, 240, 250, 256, 300, 360, 500, 512, 600, 625, 720, 1000, 1024, 1200, 1250, 1440, 2000, 2048, 2500, 2540, 2600, 3600		
<i>With Commutation for Brushless Motors:</i>	<u>CPR</u>	<u>Pole Pairs</u>
	500	5 or 6
	512	3 or 6

Encoder Model Series HD2.5, E2.5, L2.5 and S25		
1, 24, 25, 35, 40, 50, 60, 100, 120, 192, 200, 240, 250, 256, 300, 360, 500, 512, 600, 625, 720, 900, 1000, 1024, 1200, 1250, 1440, 1524, 1600, 1800, 2000, 2048, 2500, 2540, 2600, 3600, 4096, 5000		
<i>With Commutation for Brushless Motors:</i>	<u>CPR</u>	<u>Pole Pairs</u>
	500	5 or 6
	512	3 or 6
	1000	2, 3, 4, 6 or 8
	1024	6

Encoder Model Series ET35, DW38		
15, 32, 60, 100, 200, 240, 250, 500, 512, 600, 1000, 1024, 1200, 2000, 2048, 4000, 4096, 5000		
<i>Commutation not available in this model.</i>		

M602 Series Digital Module		
1, 24, 25, 35, 40, 60, 100, 120, 192, 200, 240, 250, 256, 300, 360, 500, 512, 600, 625, 720, 1000*, 1024*		
* Available as direct read or doubler		
<i>Doubler:</i> 1000, 1024, 1200, 1250, 1440, 2000, 2048, 2500, 2540, 2600 3600		
<i>With Commutation for Brushless Motors:</i>	<u>CPR</u>	<u>Pole Pairs</u>
	500	5 or 6
	512	3 or 6

M832 Series Digital Module

Direct Read: 360, 1000, 1024
Doubler: 2000, 2048, 3600, 4096, 5000

<i>With Commutation for Brushless Motors:</i>	<u>CPR</u>	<u>Pole Pairs</u>
	1000	2, 3, 4, 6 or 8
	1024	6

AM602 Series Analog Modules

1000, 1024

AM832 Series Analog Modules

2000, 2048

Analog Modules available in -6T configuration only

For new Disc resolutions or radii please consult factory for availability and NRE. We are constantly adding new resolutions so if the one you require is not listed please call the factory for availability

LM Series Linear Digital Modules (Doubler)

Data

12 Cycles / Millimeter

25 Cycles / MM

720 Cycles / Inch

Available Scale Lengths (others by Special Order)

1.5 inches

up to 600mm

.75, 1.0, 1.26, 1.70, 2.03, 3.255 or 4.8 inches

The 12 Cycles per mm (CPMM) equals 0.0008 inch resolution after X4.

The 25 CPMM equals 0.01 mm resolution after X4.

The 720 Cycles per inch equals 0.00035 inch resolution after X4.

LAM Series Linear Analog Modules

250 Cycles per Inch (cpi)

Contact the factory for Linear Scale lengths. Custom scales with lengths up to 6 feet can be made with an NRE.

Other Special Optical Radii Discs Available

Digital Module and Disc only – Contact the Factory