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Rotary Encoder Quick Reference

	SHAFTED ENCODERS							SHAFTED COUPLING ENCODERS	
MODELS / SPECIFICATIONS	F20/S20	M35	25D	H25	HD2	150/ 152/ 153	M21	C150/ C152/ C153	25C
Size	2.1"	3.5"	2.5"	2.5"	2"	1.5"	2.1"	1.5"	2.5"
Maximum Internal Counts Per Rev.	21,440	360,000	200,000	4,096	4,096	4,800	10,160	4,800	200,000
Maximum Counts With External Electronics	N/A	2,304,000	1,280,000	N/A	N/A	N/A	N/A	N/A	1,280,000
Shaft Radial Load	10 lbs	10 lbs	40 lbs	60 lbs	80 lbs	5 lbs	10 lbs	5 lbs	N/A
Shaft Axial Load	10 lbs	5 lbs	40 lbs	80 lbs	80 lbs	5 lbs	5 lbs	5 lbs	N/A
Maximum Operating Speed	4,000 R.P.M.	3,000 R.P.M.	6,000 R.P.M.	6,000 R.P.M.	3,000 R.P.M.	3,000 R.P.M.	3,000 R.P.M.	3,000 R.P.M.	3,000 R.P.M.
Shaft Seals		●	●	●	●				
Sealed Bearings		●	●	●	●	●	●		●
Bolt Circles	●	●	●	●	●	●	●	●	●
5V Supply Voltage	●	●	●	●	●	●	●	●	●
12, 15, 24 Volt DC Supply Voltage	●	●	●	●	●		●		●
Diff. Line Driver	●	●	●	●	●	●	●	●	●
Open Collector	●	●	●	●	●		●		●
TTL Compatible	●	●	●	●	●	●	●	●	●
Amplified Analog		●	●				●		●
Cell Output		●				●	●	●	●
Pulse Logic		●							
Internal Multiplication	●	●	●						●

MODELS / SPECIFICATIONS	H20	H15	HS30	HT30	TK731 TK730	TK91	T23
Size	2.1"	1.5"	3.0"	3.0"	1.5"	1.5"	2.2"
Maximum Internal Counts Per Rev.	21,440	50,000	100,000	100,000	5,000	5,000	10,160
Maximum Counts With External Electronics	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Radial Load	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Axial Load	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Maximum Operating Speed	4,000 R.P.M.	4,000 R.P.M.	6,000 R.P.M.	CHANNELS 100 KHz	CHANNELS 50KHz	CHANNELS 200KHz	CHANNELS 100KHz
Shaft Seals			N/A	N/A			
Sealed Bearings			N/A	N/A			
Bolt Circles	●	●	●	●			
5V Supply Voltage	●	●	●	●	●	●	●
12, 15, 24 Volt DC Supply Voltage	●		●	●			
Diff. Line Driver	●	●	●	●	●	●	●
Open Collector	●	●				●	●
TTL Compatible	●	●	●	●	●	●	●
Amplified Analog							●
Cell Output							●
Pulse Logic							
Internal Multiplication	●	●	●	●			

The Standard tolerances for wire and cable egress lengths are as follows, unless otherwise specified:

For Lengths	1 Foot or Less	± ½ Inch
For Lengths	Less Than 3 Fee	± 1 Inch
For Lengths	3 Feet to 10 Feet	± 3 Inches
For Lengths	11 Feet to 24 Feet	± 6 Inches
For Lengths	25 Feet to 60 Feet	± 12 Inches



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