

Optical Angle Measuring System

- Non- contact optical encoder
- Industry standard digital and analogue output options
- Customer selectable resolution to 24 Bit
- Reference mark
- Small reader design
- High speed operation
- Integral set-up LED



Target Rings Size:

Target Ring	DR	ID	OD	Thickness
ODA35-67	Axial	35mm	67mm	0.5mm
ODA70-110	Axial	70mm	110mm	0.5mm
ODR95-115	Radial	95mm	115mm	10mm

Resolution:

Type	ODA35-67	ODA70-110	ODR95-115	Interpolation Coefficient	Maximum
MicroRA	10240000	16777216	18432000	4096	30rpm
MicroRB	5120000	8388608	9216000	2048	60rpm
MicroRC	2560000	4194304	4608000	1024	125rpm
MicroRD	1280000	2097152	2304000	512	250rpm
MicroRE	640000	1048576	1152000	256	500rpm
MicroRF	320000	524288	576000	128	1000rpm
MicroRG	160000	262144	288000	64	1000rpm
MicroRH	80000	131072	144000	32	1000rpm
MicroRI	5000000	8192000	9000000	2000	60rpm
MicroRJ	4000000	6553600	7200000	1600	60rpm
MicroRK	2500000	4096000	4500000	1000	125rpm
MicroRL	2000000	3276800	3600000	800	250rpm
MicroRM	1250000	2048000	2250000	500	250rpm
MicroRN	1000000	1638400	1800000	400	250rpm
MicroRO	800000	1310720	1440000	320	250rpm
MicroRP	500000	819200	900000	200	500rpm
MicroRQ	400000	655360	720000	160	1000rpm
MicroRR	250000	409600	450000	100	1000rpm
MicroRS	200000	327680	360000	80	1000rpm
MicroRT	100000	163840	180000	40	1000rpm

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Optical Angle Encoder:

Power supply: 5V \pm 5%

Power consumption: <30mA (without any load)

Temperature: Storage -20 °C to 70 °C Operating -10 °C to +70 °C

Environmental sealing: IP40

Output definition:

Colour	Red	Black	White	Grey	Blue	Purple	Brown	Orange	Silver
Function	5V	GND	A+	A-	B+	B-	Z+	Z-	SHIELD

Encoder Size:

