



Smart encoders & actuators

AR01 Series Incremental Rotary Measuring Wheel Encoders

Features

- Measuring wheel encoder
- Metric & US/imperial wheel sizes
 - Standard 4" wheel (12.5" circumference)
 - Optional 80mm wheel (250mm circumference)
- Universal output circuit: 5-30 VDC Push-Pull (Totem Pole), or NPN/PNP open collector (HTL), or Line Driver (TTL)
- Quadrature output signals with index (AB, /AB)
- Spring loaded arm with up to 30mm deflection
- Conveyor speed control, cut-to-length, and object positioning applications
- IP65 environmental rating



AR01 Series Incremental Measuring Wheel Encoders

Part Number	Price	Pulses per Revolution	Dimensional Drawing	Shaft Type	Wheel Circumference	Linear Resolution*		Input Voltage	Cable	Output
<u>AR01-0250-HM12-A</u>	\$06bzh:	250	<u>PDF</u>	n/a (Wheel assembly)	12.5"	0.0125"/ct	80cts/inch	5-30 VDC	M12 male	Universal circuit: Push-Pull (Totem Pole), or NPN/PNP open collector (HTL), or Line Driver (TTL)
<u>AR01-1250-HM12-A</u>	\$-06bzi:	1250	<u>PDF</u>			0.0025"/ct	400cts/inch			

* Resolution = (quadrature PPR x 4) / (inches circumference)

Accessories - AR01 Series

Accessories for AR01 Series Encoders

Part Number	Price	Description
<u>AR01X-WHEEL-A</u>	\$6bzd:	Lika Electronic encoder measuring wheel, replacement, 4in diameter (12.5in circumference), 15mm shaft, metal. For use with Lika Electronic AR01 series measuring wheel encoder assemblies. 15mm shaft bore size. BR1-xx shaft reducers can be used to accommodate shaft sizes from 6mm to 1/2 inch.
<u>AR01X-WHEEL-B</u>	\$6bze:	Lika Electronic encoder measuring wheel, replacement, 80mm diameter (250mm circumference), 15mm shaft, metal. For use with Lika Electronic AR01 series measuring wheel encoder assemblies. 15mm shaft bore size. BR1-xx shaft reducers can be used to accommodate shaft sizes from 6mm to 1/2 inch.
<u>AR01X-0250-HM12</u>	\$06bys:	Lika Electronic AR01 series incremental (quadrature) rotary encoder, replacement, 5-30 VDC, universal (line driver or NPN/ PNP open collector) output, medium duty, 250 ppr, 15mm dual shaft, 58mm diameter body, IP65, radial exit, M12 male.
<u>AR01X-1250-HM12</u>	\$;06byt:	Lika Electronic AR01 series incremental (quadrature) rotary encoder, replacement, 5-30 VDC, universal (line driver or NPN/ PNP open collector) output, medium duty, 1250 ppr, 15mm dual shaft, 58mm diameter body, IP65, radial exit, M12 male.
<u>EC-M12F8-LKM8-05</u>	\$;6bxt:	Lika Electronic encoder cable, M12 axial female to pigtail, shielded, 16.4ft/5m cable length. For use with Lika Electronic AR01 series measuring wheel encoder assemblies.
<u>EC-M12F8-LKM8-10</u>	\$6bxu:	Lika Electronic encoder cable, M12 axial female to pigtail, shielded, 32.8ft/10m cable length. For use with Lika Electronic AR01 series measuring wheel encoder assemblies.



AR01X-WHEEL-A



AR01X-0250-HM12



EC-M12F8-LKM8-05