



Smart encoders &amp; 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   |
|---|----------|-----------------------|----------------------------|----------------------|---------------------|--------------------|-------------|---------------|----------|--|
| <a href="#"><u>AR01-0250-HM12-A</u></a> | \$299.00 | 250                   | <a href="#"><u>PDF</u></a> | 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) |
| <a href="#"><u>AR01-1250-HM12-A</u></a> | \$299.00 | 1250                  | <a href="#"><u>PDF</u></a> |                      |                     | 0.0025"/ct         | 400cts/inch |               |          |  |

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

## Accessories - AR01 Series

### Accessories for AR01 Series Encoders

| Part Number                             | Price    | Description   |
|---|----------|---|
| <a href="#"><u>AR01X-WHEEL-A</u></a>    | \$45.00  | 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. |
| <a href="#"><u>AR01X-WHEEL-B</u></a>    | \$75.00  | 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. |
| <a href="#"><u>AR01X-0250-HM12</u></a>  | \$210.00 | 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.  |
| <a href="#"><u>AR01X-1250-HM12</u></a>  | \$210.00 | Lika Electronic AR01 series incremental (quadrature) rotary encoder, replacement, 5-30 VDC, universal (line driver or NPN/ PNP open collector) output, medium duty, 1250ppr, 15mm dual shaft, 58mm diameter body, IP65, radial exit, M12 male.  |
| <a href="#"><u>EC-M12F8-LKM8-05</u></a> | \$40.00  | 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.  |
| <a href="#"><u>EC-M12F8-LKM8-10</u></a> | \$56.00  | 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](#)