



HTR-3A...



HTR-5B...



HPN-6A-2500-3-PP



HTR-HN...



HJ-6X6



SCT...

**HTR series - Incremental encoders**

HTR series encoders, provide precise positioning and speed sensing functions. They convert rotary motion or position data to electronic pulses for speed and position detection.

**Common characteristics**

- Output phase: ABZ phase (std)
  - Output form: P: Push Pull
  - Resolution: 5 - 5000 ppr (pulse per revolution)
  - Protection: against polarity reversal
- HL: Line Driver 5 - 26 VDC model and output dependant**

type	resolution (ppr)	supply voltage	detection system	description	dimensions body	Ø mm shaft
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**Solid shaft type**

**Medium duty incremental encoders (IP50) push-pull type**

HTR-3A-100A-P	100	5 - 26 VDC	incremental	rotary encoder	38	6
HTR-3A-360A-P	360	5 - 26 VDC	incremental	rotary encoder	38	6
HTR-3A-500A-P	500	5 - 26 VDC	incremental	rotary encoder	38	6
HTR-3A-1024A-P	1024	5 - 26 VDC	incremental	rotary encoder	38	6
HTR-5B-360A-P	360	5 - 26 VDC	incremental	rotary encoder	50	8
HTR-5B-1024A-P	1024	5 - 26 VDC	incremental	rotary encoder	50	8
HTR-5B-2000A-P	2000	5 - 26 VDC	incremental	rotary encoder	50	8

**Medium duty incremental encoders (IP50) line driver type**

HTR-5B-360A-H	360	5 - 26 VDC	incremental	rotary encoder	50	8
HTR-5B-1024A-H	1024	5 - 26 VDC	incremental	rotary encoder	50	8
HTR-5B-2000A-H	2000	5 - 26 VDC	incremental	rotary encoder	50	8

Other (ppr) resolution available on request.

**Heavy duty incremental encoders (IP64) push-pull type**

- HPN square flange mount (63.5 x 63.5 mm □)
- |                  |      |            |             |                |        |    |
|------------------|------|------------|-------------|----------------|--------|----|
| HPN-6A-2500-3-PP | 2500 | 8 - 26 VDC | incremental | rotary encoder | 63.5 □ | 10 |
|------------------|------|------------|-------------|----------------|--------|----|
- Other (ppr) resolution available on request.

**Hollow shaft incremental encoders (IP50) push-pull type hole**

HTR-HN-8-360A-P	360	5 - 26 VDC	incremental	rotary encoder	38	8
HTR-HN-8-500A-P	500	5 - 26 VDC	incremental	rotary encoder	38	8
HTR-HN-8-1024A-P	1024	5 - 26 VDC	incremental	rotary encoder	38	8
HTR-HM15-600-3-PP	600	8 - 26 VDC	incremental	rotary encoder	59	15
HTR-HM15-1024-3-PP	1024	8 - 26 VDC	incremental	rotary encoder	59	15
HTR-HD30-600-3-PP	600	8 - 26 VDC	incremental	rotary encoder	100	30
HTR-HD30-1024-3-PP	1024	8 - 26 VDC	incremental	rotary encoder	100	30

Other (ppr) resolution available on request.

**A series - Absolute encoders (IP50)**

- Signal output G: Gray code
  - Output form C: NPN open-collector
- |             |      |             |          |                |    |   |
|-------------|------|-------------|----------|----------------|----|---|
| A3-G-256-C  | 256  | 10 - 26 VDC | absolute | rotary encoder | 60 | 8 |
| A3-G-1024-C | 1024 | 10 - 26 VDC | absolute | rotary encoder | 60 | 8 |
- Other (ppr) resolution available on request.

**Encoder accessories**

type	material	rated torque (N.m)	bore (mm) hole Ø1	bore (mm) hole Ø2	wrench torque (N.m)	dimensions Ø mm body Ø	length
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**Flexible couplings**

HJ-6X6	plastic	1.0	6	6	0.3	16	23
SCT-16-6X6	aluminium	0.3	6	6	0.7	16	23
SCT-20-8X8	aluminium	0.5	8	8	0.7	20	26
SCT-25-8X10	aluminium	1.0	8	10	1.7	25	31
SCT-25-10X10	aluminium	2.0	10	10	1.7	25	31