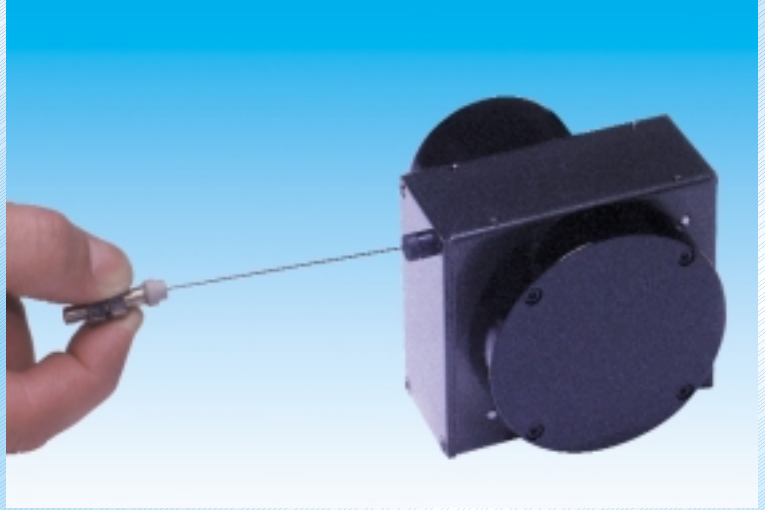


ELAP HLS

LINEAR WIRE ENCODER



The transducer consists of a bidirectional incremental rotary encoder operated by means of a wire-reel mechanism; the wire is out of stainless steel covered with nylon. The encoder provides a number of pulses proportional to the linear displacement of the wire. The inside spring controls the return of the wire to the starting position. Their strong case and easy mounting method make these transducers specially suitable to those industrial applications where accurate measures and lengths up to 5 metres are required. Typical applications are, for instance, X-Y tables, oil/air pressure cylinders, packaging equipments, wood-working machines, marble and sheat working machinery. **Complying with CE standards.**

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MECHANICAL SPECIFICATIONS

• Dimensions	See the drawing
• Weight	800-900 g
• Materials	Aluminium case Metal wire SUS 304 Ø 0.6 mm Breaking load 17 Kg.
• Travel speed	Max. 2000 mm/sec.
• Starting torque on spring	Stroke 1÷2 m 1000 gcm Stroke 3÷5 m 600 gcm
• Operating temperature	0÷50° C
• Relative moisture	35÷90%
• Protection degree	IP64

ELECTRICAL SPECIFICATIONS

• Supply	10÷24 Vdc
• Electronic output	Push-pull, line drive 5V
• Power consumption	<60 mA
• Resolution	0.1±1 mm direct reading 0.025÷ 0.25 mm after the electronic quadrupling
• Zero pulse	1 each encoder revolution
• Connections	Shielded cable 1 m long

RESOLUTION mm	STROKE mm/TYPE				
	1000	2000	3000	4000	5000
1	=	=	HLS 30-1	=	HLS 50-1
0,5	HLS 10-05	HLS 2-05	HLS 30-05	HLS 40-05	HLS 50-05
0,2	=	=	HLS 30-02	HLS 40-02	HLS 50-02
0,1	HLS 10-01	HLS 20-01	HLS 30-01	HLS 40-01	HLS 50-01



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