

MAGNETIC LINEAR ENCODER SYSTEMS

“Twin Bearing Actuating Rod”

LTS



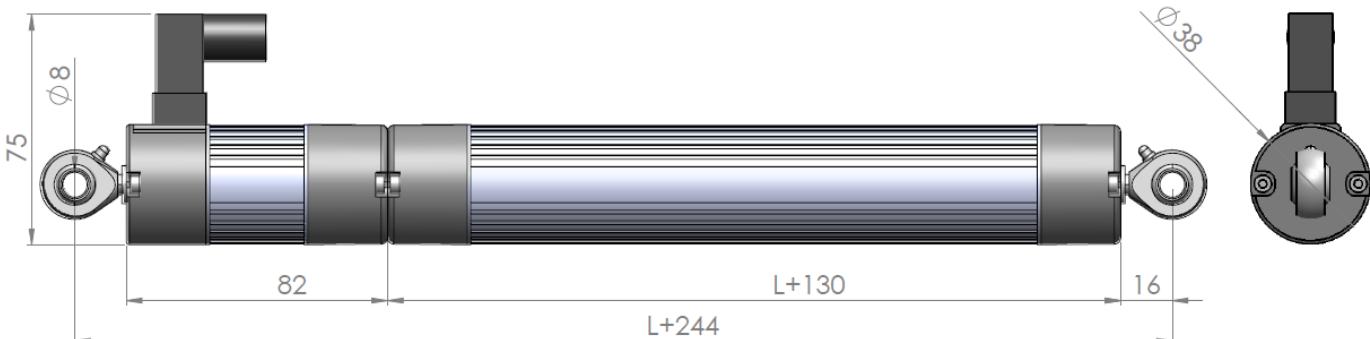
- Measuring lengths up to 1000 mm
- Twin bearing actuating rod
- Encoder signal output
- TTL or Push-Pull signal outputs
- Resolutions starting from 5µm
- IP65 protection class
- 3 m/s high operating speed
- Long service life

The LTS series magnetic linear encoder systems make measurement digitally by incremental encoder system pulse logic as contactless. The biggest advantage of these encoders are that they are easy to mount and are not affected by the deflections, as they are double-sided.

It has different resolutions from 5µm to 100µm. Measuring lengths between 50 mm and 1000 mm are available. They are non-worn because they are non-contact, mechanically have infinite lifetimes. They are resistant to vibration and impacts. They are not affected by bad environmental conditions and electrical noise.

They are used in many sectors such as metal, marble, plastic, textile, saw, packaging.

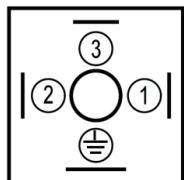
Mechanical Dimensions



Technical Specifications

Measuring Distance	Between 50 mm and 1000 mm	
Resolution	5µm, 10µm, 20µm, 25µm, 62.5µm, 80µm and 100µm	
Output Signals	For model with DIN 43650-C connector: A, B For model with cable: A, B, Z or A, /A, B, /B, Z, /Z	
Electrical Interface	Supply	Output
	TTL	5 VDC TTL RS422 Line Driver
	PP	10...30 VDC
	HTL	10...30 VDC
	HPL	5...30 VDC
Operating temperature	-20°C and +85°C	
Electrical Connection	DIN 43650-C connector or cable	
Repeatability	±1 Pulse	
Life	Mechanically infinite	
Housing Material	Anodized aluminum	

Electrical Connections



DIN 43650-C Connector	Signal
1	B
2	A
3	+Vcc
4	GND

Cable Color	Signal
YELLOW	A
WHITE	/B
RED	+Vcc
BLACK	0 V
BLUE	/A
GREEN	B
GREY	/Z
PINK	Z
SHIELD	GROUND

Order Details

Supply and Output Signal

TTL : 5VDC Supply Voltage,
 5 VDC TTL RS422 Line Driver Signal Output
PP : 10...30 VDC Supply Voltage,
 10...30 VDC Push-Pull Signal Output
HTL : 10...30 VDC Supply Voltage,
 5 VDC TTL RS422 Line Driver Signal Output
HPL : 5...30 VDC Supply Voltage,
 5...30 VDC Push-Pull Signal Output

Measuring Distance

50 : 50 mm
1000 : 1000 mm

Model

LTS

- XX -

XXX -

X -

XXXX -

XXX

Resolution

05: 05µm / B2
10: 10µm / B2
20: 20µm / B2
25: 25µm / B2
62,5: 62,5µm / B2
80: 80µm / B5
100: 100µm / B5

Signal Output

2 : A, B
3 : A, B, Z
6 : A, /A, B, /B, Z, /Z

*On model with DIN 43650-C connector,
only 2: A, B signal output is available

Electrical Connection

No code: DIN43650-C connector
3M: 3 meters cable
 *Optionally different cable lengths