



Linear measurement

Precise, rapid, economic :
Meterdrive goes the distance.



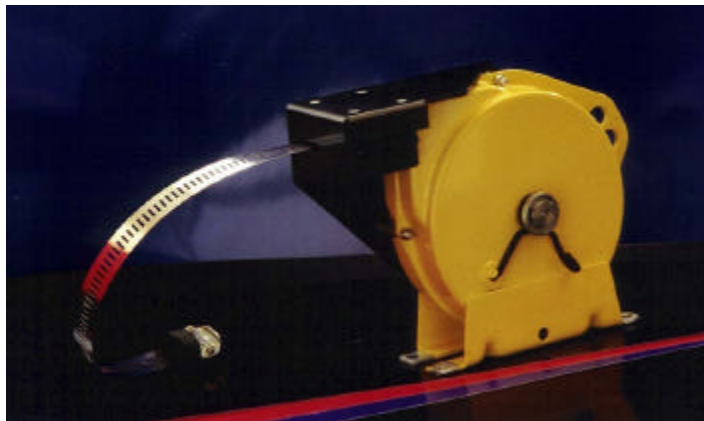
Linear encoder

The simple solution for high-speed measuring and positioning over long distances : the opto-electronic head slides along the steel tape and reads the number of holes, up to 10 m/s. There are no mechanical parts, and therefore no wear.

1mm or 0,1mm resolution.

Most common applications:

- Cutting profiles, pannels, tubes
- Positioning robots, gantry cranes
- Galvanoplasty, automatic warehousing



Rollzam

The tape is rolled up in a housing with automatic spring rewinding. The head and electric cables are stationary and protected.

Advantages :

- Very simple mounting
- No need to support the tape
- No cable stress
- Uses less space
- Measures up to 10m

Ideal for :

- Positioning fork lifts and other telescopic systems
- Measuring heights
- Moving pneumatic and hydraulic cylinders
- Saw cut-off positioning

For more information, contact :



The stainless steel tape is produced and controlled using the most recent numeric techniques, ensuring positioning repeatability over more than 400m.

Several mounting systems are possible thanks to its large flexibility :

- Stretched between two points
- Between two pulleys
- In our Rollzam system

Description:

Thickness : 0,2mm
 Width : 15mm
 Bending radius: 5cm min.
 Hole size: 2mm
 Precision : Ref Z.200 ± 0,1mm/m
 Ref Z.300 ± 0,03mm/m

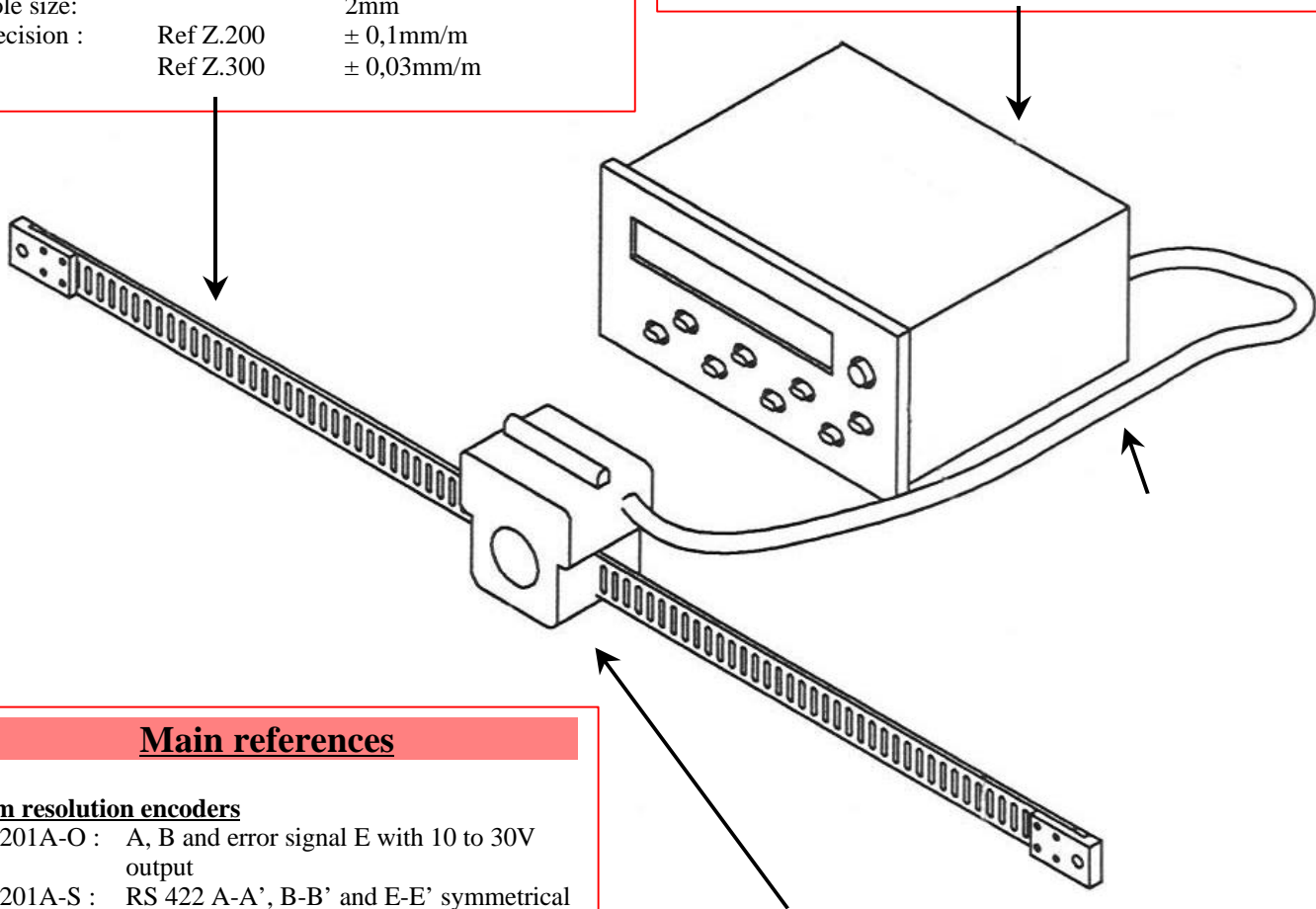
LED counters with large red diodes (14mm) for optimal reading comfort at work stations :

- Z.211-A : Panel mountable counter : Z.211-A
- Z.211-A ENC : Counter mounted in a pre-cabled steel enclosure with connection cord ready to connect to our encoders – and ready to plug into 220V

No knowledge of electricity or automation is necessary.

LCD counters with red backlit diodes. Smaller counters for a smaller price : Z.210-B (12V DC power supply).

Many other references will allow you to print your results directly *without a PC*, or on the contrary transfer your data to a PC, monitor relays, etc.



Main references

1mm resolution encoders

- Z.201A-O : A, B and error signal E with 10 to 30V output
- Z.201A-S : RS 422 A-A', B-B' and E-E' symmetrical signals

0,1mm resolution encoders

- Z.301AAS-O : A, B and error signal E with 10 to 30V output
- Z.301-S : RS 422 A-A', B-B' and E-E' symmetrical signals

Measuring tapes

- Z.200 : 0,1mm/m precision for 1mm or 0,1mm resolution encoders
- Z.300 : 0,03 mm/m precision for 0,1mm resolution encoders
- Z.202 : Stainless steel clamp set to attach both ends of the tape
- Z.215 : Spring system with adjustable tension to attach both ends of the tape.

Counters

- Z.211A : 14mm LEDs for panel mounting
- Z.211A-ENC : 14mm LEDs, in a precabled metal enclosure
- Z.210B : Mini LCD counter with backlighting.

Encoders

Infrared optical measurement. The polycarbonate housing is compact and robust. Standard incremental A and B signals can be adapted to most CNC controls or counters. An error signal, E, indicates any faulty operation.

Resolution : References Z.201 1mm
 References Z.301 0,1mm
 Power supply : 10 to 30 V DC
 A, B and E signals: Tension 10 to 30 V proportionate to the power supply
 Push-pull output against 0V
 RS 422 output also available
 Reading speed: 10 m/s
 Size : 54,5 x 47 x 35,5 mm
 Protection : IP 65
 Approbation : As per CE