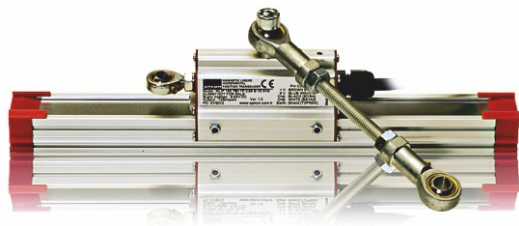


# Magnetic Linear Encoder

**MLIP**

*Sense the motion*



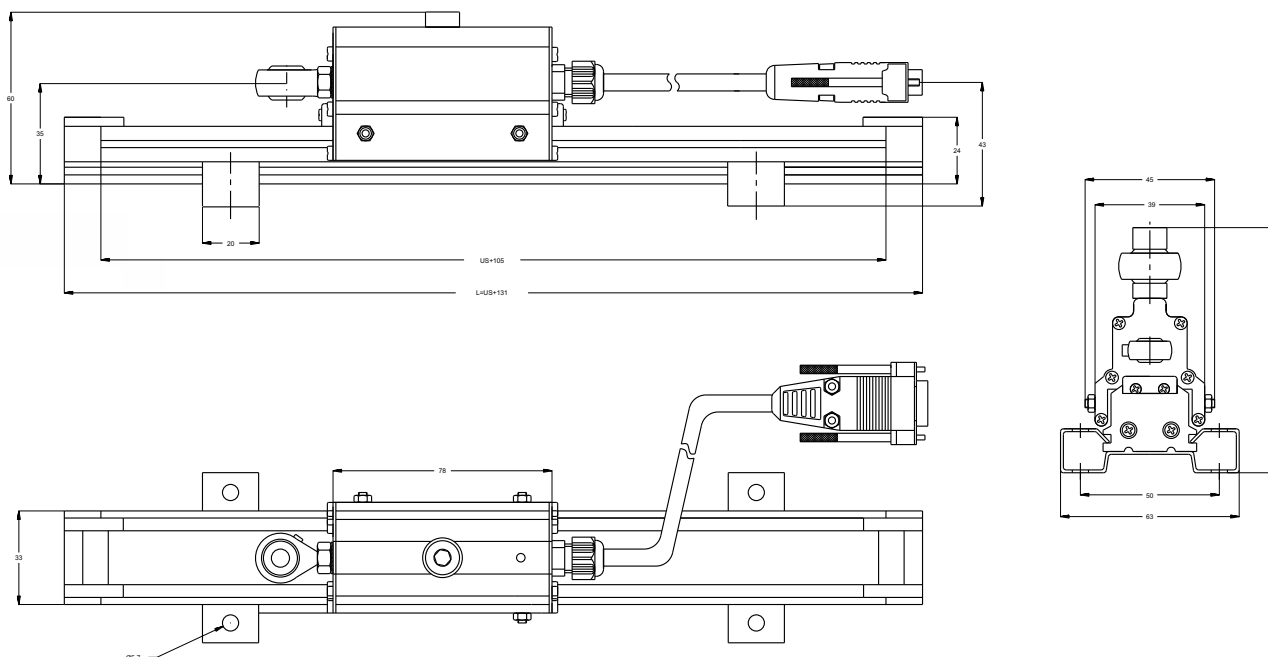
- 10, 20, 40, 50, 80, 100 mikron Resolution;
- Up to 20 meter measurement;
- Totempole, TTL Linedriver, HTL Linedriver outputs;
- IP 66 protection
- Magnetic contactless system

## Main Applications

Metal Cutting/ Forming Machineries, Marble/ Stone Machineries, Wood Processing Machineries and General Automation Applications

## Specifications

|                       |   |
|-----------------------|---|
| Type of measurement   | Magnetic incremental contactless                              |
| Measurement strokes   | 50mm – 20.000mm (customised extensions up to 20.000mm)        |
| Resolution            | 0.02mm (20 micron), 0.08mm (80 micron), 0.1mm (100 micron)    |
| Accuracy              | ± 0.04mm (±40 micron)   |
| Output signals        | A, B – AA', BB' – A,B,Z –AA',BB',ZZ'                          |
| Output signal type    | TTL, Totempole (Push-Pull), HLD or Line Driver                |
| Supply voltage        | 8-24 VDC (Standard), 5 VDC (Optional), or 5-30V DC (Optional) |
| Case material         | Anodized aluminium/ plastic                                   |
| Max. speed            | 3 m/s   |
| Working temperature   | -20 °C .... + 80 °C   |
| Protection            | IP 66   |
| Electrical connection | 2.5m Cable (Standard) or DB9 Connector (Optional)             |



## Ordering Procedure

| MLIP         | A   | 1500                      | T80   | TP  | B   | V2  | 2.5m  |
|--------------|---|---------------------------|---|---|---|---|---|
| <i>Model</i> | <i>Mechanical Connection</i>  | <i>Measurement stroke</i> | <i>Resolution</i>                                 | <i>Output type</i>  | <i>Output signal</i>  | <i>Supply voltage</i>   | <i>Connection</i>   |
|              | A: Mechanical connection on the side<br>B: Mechanical connection on upper part (Standard)<br>C: Mechanical connection both on the side and upper part | 50-20.000mm               | 20 micron<br>50 micron<br>80 micron<br>100 micron | TP = Totempole<br>TT: TTL<br>LD: Line Driver<br>HLD: High Line Driver | B: A, B (standard)<br>Z*: A, B, Z (for LD and HLD, B and Z are with their inverses) | V1: 5V DC (for TT or LD)<br>V2: 8-24V DC (for TP)<br>V3: 8-30V DC (for HLD) | 2M5: 2,5 meter cable (Standard)<br>9K: 0,5 meter cable with DB9 connector |

Z\*: Z appoints reference point

1Z: Single reference located at ball joint edge of the measurement stroke

2Z: Single reference located at cable edge of the measurement stroke

3Z: Single reference located in the middle of the measurement stroke

