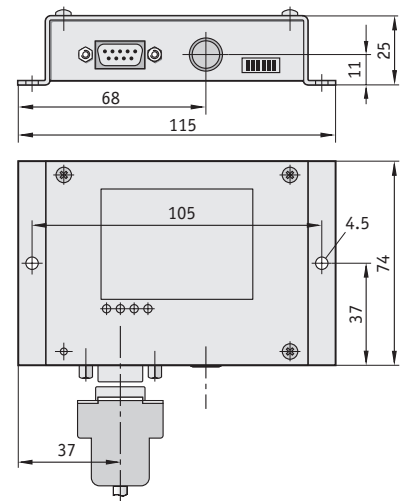


# Translation Module AS510

High-resolution electronics for connection to the MS500 pluggable magnetic sensor. The AS510 delivers digital square signals with a resolution up to 10 µm after 4x processing by the follower electronics.



## Features:

- parameters adjustable via DIP switches
- resolutions up to 10 µm (digital)
- real-time data processing
- magnetic strips MB and MB5
- system accuracy up to 50 µm

| Feature                       | Ordering data | Technical data                                | Additional information  |
|-------------------------------|---------------|---|---|
| Supply voltage                | 4             | 24 V DC ± 20%                                 | standard  |
|                               | 5             | 5 V DC ± 5%                                   |   |
| Power consumption             |               | < 100 mA                                      | with polarity protection  |
| Output signals                |               | square A, B, 0                                | each inverted   |
| Connection                    |               | D-SUB 9-pin                                   |   |
| Output circuit                |               | PP, LD (RS422)                                | switchable via DIP switch   |
| Electrical connection         |               | sensor plugable                               | Mini-DIN connector  |
|                               |               | DSUB 9-pin for power supply and signal output |   |
| Cable length connection       |               | max. 50 m                                     | according to RS422 specification  |
| Housing                       |               | steel sheet                                   | electrolytically galvanized   |
| Interference protection class |               | 3   | according to IEC 801  |
| Resolution                    |               | 10 µm, 25 µm, 50 µm, 100 µm                   | after 4x pulse multiplication   |
| Travel speed                  |               | max. 5 m/s (of the magnetic sensor)           | option: 10 m/s  |
| Gap strip / sensor            |               | max 2.0 mm                                    | over total measuring length   |
| System accuracy               |               | ± 25 µm related to the dividing periods       | after reference travel (10 periods),<br>length-dependent error not taken into account |
| Repeat accuracy               |               | ± 1 increment                                 |   |
| Temperature range             |               | working temperature 0 ... +70 °C              | storage temperature -20 ... +70 °C  |
| Humidity                      |               | max. 95 % rF                                  | condensation not permitted  |
| Protection type               |               | IP 40 according to DIN VDE 0470               | test mark CE  |
| Weight                        |               | appr. 400 g                                   | total weight  |

Ordering example: AS510 - 4 supply voltage 24 V DC

Your ordering data: AS510 -  Please supply standard version  (cross, when YES)  
A