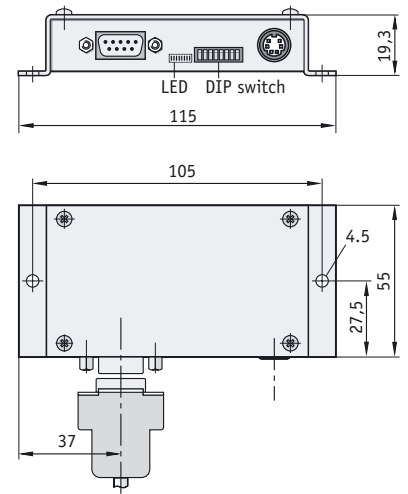


Translation Module AS510/1

High-resolution electronics for connecting the pluggable MS500 magnetic sensor. The AS510/1 provides digital quadrature signals with resolutions up to 10 μm after 4x pulse multiplication in the follower electronics.



Features:

- parameters can be set via DIP switches
- resolutions of up to 5 μm (digital)
- real-time data processing
- MB500 magnetic strip
- system accuracy up to 50 μm

Feature	Ordering data	Technical data	Additional information
Operating voltage	4	24 V DC \pm 20 %	standard, with polarity protection
	5	5 V DC \pm 5 %	without polarity protection
Power consumption		< 70 mA	
Output signals		quadrature A, B, 0	each inverted
Connection		D-SUB 9-pin	
Output circuit		PP, LD (RS422)	DIP switch-selectable
Electrical connection		pluggable sensor	Mini-DIN connector
		D-SUB 9-pin for power supply and signal output	
Lead cable length		max. 50 m	according to RS422 specification
Housing		steel sheet	electrogalvanized
Interference protection class		3 according to IEC 801	
Resolution		5 μm , 10 μm , 20 μm , 25 μm , 50 μm , 100 μm	after 4x pulse multiplication
Travel speed		max. 20 m/s (of magnetic sensor)	selectable via internal DIP switch
Sensor / magnetic strip gap		max 2.0 mm	over whole measuring length
System accuracy		$\pm (0.025 + 0.01 \times L)$ mm, L in m	at $T_U = 20$ °C (with MB500 and 0.05 mm precision class)
Repeat accuracy		± 1 increment	
Temperature range		working temperature: 0 ... +70 °C	storage temperature: -20 ... +70 °C
Humidity		max. 95 % rH	condensation not permitted
Type of protection		IP 40 according to DIN VDE 0470	CE test mark
Weight		approx. 400 g	overall weight

Your order:

AS510/1 - A