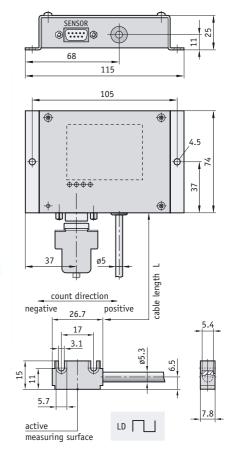
## Translation Module AS100

High-resolution electronics with integral magnetic sensor. AS100 provides digital square signals with resolutions up to 1  $\mu$ m after pulse quadruplication in the follower electronics.



- complete unit with sensor
- resolution up to 1 µm (digital)
- real-time data processing
- magnetic strip MB100
- periodical index



Feature	Ordering data	Technical data	Additional information
Supply voltage	4	24 V DC ±20 %	standard
	5	5 V DC ±5 %	
Sensor type	L D	typ L, varnished aluminium, blue color	standard
эспоот сурс	В	typ 2, variished ataliinialii, blac color	Stational
Cable length		to be indicated in meter, in steps of 1.0 m	2.0 m standard (available up to 10 m)
cable length	C	to be indicated in meter, in steps of 1.0 iii	2.0 III Standard (available up to 10 III)
Cable sheath	PVC		standard
cable sileatii	PUR	oil-resistant	Stanuaru
Output circuit	LD	line-driver	standard (according to RS 422 A)
output circuit	LU	tille-ulivei	Standard (according to NS 422 A)
Resolution	<b>1</b> / 2/ 5/ 10	<b>1</b> μ <b>m,</b> 2 μm, 5 μm, 10 μm	after pulse quadruplication (programmable), 1 μm = standard
Power consumption		< 120 mA	with polarity protection at 24 V DC
Output signals		A, /A, B, /B, I, /I	quadrature signal
Gap strip/ sensor		0.1 - 0.4 mm	over whole measuring length, without cover strip
System accuracy		±(0.01 + 0.01 x L) mm [L in m]	repeat accuracy ±1 increment (MB100 with 10 μm)
Travel speed		max. 5 m/s (of the magnetic sensor)	
Interference protection class		3 according to IEC 801	
Temperature ranges		working temperature 0 +50 °C	storage temperature -20 +70 °C
Protection class		IP 40, sensor head IP 67	test mark CE
Housing		steel sheet	electrolytically zinc-plated
Connection		9-pole D-SUB	
Humidity		max. 98 % rH	condensation not permitted
Weight		approx. 400 g	total weight