

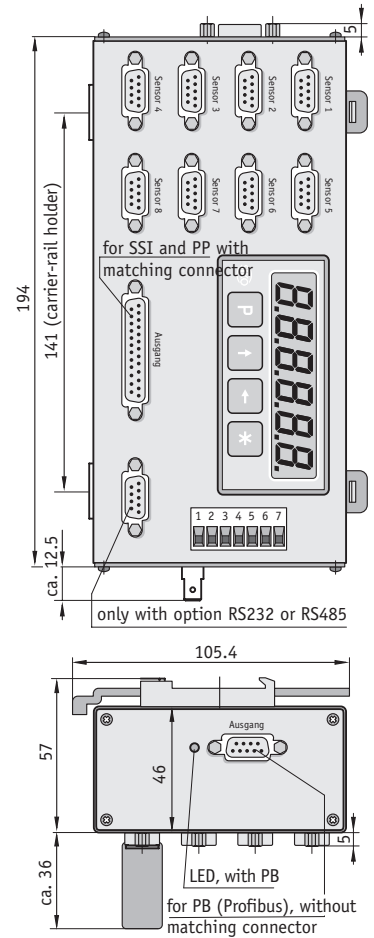
Translation Module AEA8

This high-resolution translation module converts the measuring values captured by the sensor into serial or parallel data. This data can then be processed by any standard follower electronics, eg. by a control unit. Up to 8 MSA sensors can be connected. A 6-digit LED display is provided for control purposes.



Features:

- snap-in module for easy mounting
- all connections are plugable
- SSI, PP parallel, Profibus
- all parameters can be programmed
- possibility for diagnoses via display
- option: interfaces RS232 or RS485
- channel selection via multiplier input



Feature	Ordering data	Technical data	Additional information
Output	PP	parallel, standard	PP-level: $U_L \leq 1 \text{ V}$; $U_H \geq U_B - 20 \text{ V}$ at 15 mA; I_{max} per channel 20 mA clock rate: 100 kHz to 500 kHz encoder profile class 1
	SSI	synchronous serial interface	
	PB	Profibus	
Supply voltage	4	24 V DC $\pm 20 \%$	standard
Power consumption		< 5 W	without output circuit
Interfaces	XX/XX	without	standard
	S1/00	RS232	option
	S3/00	RS485	option
Sensor connection	MSA	for sensor type MSA	standard
	LSA200	for sensor type LSA200	
Resolution		mm 0.01 / 0.1 / 1 / 10	inch 0.001 / 0.01 / 0.1 / 1
Repeat accuracy		0.01 mm	
System accuracy		$\pm (0.1 + 0.03 \times L)$ mm [L in m]	at $T_U = 20 \text{ }^\circ\text{C}$
Front plate		6-digit 7-segment display	buttons for status control
Outputs		PP parallel, SSI, Profibus	
Clock frequency SSI		62.5 kHz ... 500 kHz	
Monoflop time SSI		16 μs	
Internal cycle time		1 ms each channel (SSI, PP); $\leq 8 \text{ ms}$ (PB)	
Parameters		programmable	via buttons/display option: RS232 or RS485 interfaces
Electrical connection		D-SUB 9-pin and 25-pin	supply: terminal strip
Interference protection class		3, according to IEC 801	
Test mark		CE	
Temperature ranges		operating temperature: 0 ... +60 $^\circ\text{C}$	storage temperature: -20 ... +80 $^\circ\text{C}$
Protection class		IP 20 acc. to DIN 40050	
Housing		aluminium	snap-in module for mounting on top hat rails
Weight		appr. 830 g	

Ordering example: **AEA8** - **PP** - **4** - **XX/XX** - **MSA** PP output ; supply voltage 24 VDC; without interface; sensor connection MSA

Your ordering data: - - - - **Please supply standard version** (cross when YES)

A **B** **C** **D**