



The analog input module processes both standard 0-10 VDC and ± 10 VDC signals.

The input signal is electrically isolated and transmitted with a resolution of 12 bits.

An out-of-measurement range is indicated by a red LED.

Unused channels can be deactivated.

The module can be configured via WAGO-I/O-CHECK or GSD files.

It features an extremely compact design and low measurement errors.

Description	Item No.	Pack. Unit
8AI 0-10V DC / ± 10 V DC	750-497	
Accessories		
Miniature WSB Quick marking system		
plain	248-501	50
with marking	see Full Line Catalog Automation Technology	
Operating tool, with partially insulated shaft, type 1, blade (2.5 x 0.4) mm	210-719	50
Approvals		
Conformity marking	CE	
Marine applications	DNV GL	

Technical Data	
Number of inputs	8
Power supply	via system voltage DC/DC
Current consumption typ. (internal)	105 mA
Signal voltage	0 V ... 10 V, ± 10 V
Input voltage (max.)	35V
Input resistance	> 100k Ω
Resolution	12 bits
Measuring error (25 °C)	< ± 0.1 % of the largest measurement range
Temperature coefficient	< ± 0.01 % / K of the largest measurement range
Bit width	8 x 16 bits data; 8 x 8 bits control/status (optional)
Wire connection	Push-in CAGE CLAMP®
Cross sections	solid: 0.08 mm ² ... 1.5 mm ² / AWG 28 ... 16 fine-stranded: 0.25 mm ² ... 1.5 mm ² / AWG 22 ... 16
Strip lengths	8 ... 9 mm / 0.33 in
Width	12 mm
EMC immunity of interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-3