

Application

AO module for connection to TROVIS 6610 CPU Module



The data recorded by the CPU module are transmitted by the AO module as analog signals to the control valves.

The AO module has eight analog outputs which can either be used as current or voltage outputs. A mixed assignment is possible.

- Eight analog outputs
 - 0 to 20 mA/4 to 20 mA
 - 0 to 10 V/2 to 10 V
- Status indicated by LEDs

Further properties

- Outputs can be connected directly to the module's terminals
- Status LEDs indicate module operation or fault

Further details on the installation and start-up of SAMSON's TROVIS 6600 Automation System can be found in the System Integration Guidelines ► AB 6600 EN.



Technical data

Power supply	Power supply	24 V AC (20.4 to 27.7 V AC)
	Frequency range	48 to 62 Hz
	Power consumption	Max. 8 VA
	Power supply	24 V DC
	Power consumption	Max. 7 W
Temperature range	Operating temperature	0 to 55 °C
	Storage and transportation	-20 to 70 °C
	Humidity rating	Max. 95 %, non-condensing
Electromagnetic compatibility	Noise emission	According to EN 61000-6-3
	Noise immunity	According to EN 61000-6-2
Device safety	Class of protection	II according to EN 61140: 2003
	Overvoltage category	II according to EN 60664-1
	Degree of contamination	2 according to EN 60664-1
	Degree of protection	IP 20 according to IEC 60529
Installation	Dimensions including terminals	Width x height x depth: 110 x 130 x 60 (in mm)
	Weight	Approx. 0.4 kg
	Mounting	On rails (all DIN and EN types)
	I/O connections	Screw clamp terminals Max. 2.5 mm ² wire cross-section
8 analog outputs	When used as a voltage output	
	Output ranges	0 to 10 V/2 to 10 V/adjustable overdrive (max. 12 V)
	Resolution	< 0.001 V
	Accuracy	< 0.1 %/< 0.13 % of measuring range
	Temperature influence	< 0.0029 %/10 K of measuring range
	Load resistance	> 1600 Ω
	When used as a current output	
	Output ranges	0 to 20 mA/4 to 20 mA/adjustable overdrive (max. 24 mA)
	Resolution	< 0.001 mA
	Accuracy	< 0.1 %/< 0.13 % of measuring range
	Temperature influence	< 0.0045 % of measuring range/10 K
	Load	< 800 Ω at 20 mA

Specifications subject to change without notice

