



## AO202 Analog output module

The analog output module AO202 offers 2 high-precision 16 bit analog output channels.

### Features

- 2 analog outputs
- Output voltage -10 V bis +10 V
- 16 bit resolution
- Outputs can be synchronized
- Galvanic isolation between channels
- Galvanic isolation for the system
- Differential connection
- Short-circuit-proof
- Monitoring of the internal power supply

Part type designation	Part number
AO202	00010692-00

**AO202**

Voltage outputs	
Quantity	2
Output voltage	±10 V
Output impedance	Output is readjusted up to ±2 mA
Digital resolution	16 bit
Value of LSB	305 µV
Cross-talk attenuation	> 120 dB between the channels
Error at 25°C	±2.5 mV (±0.0125 %)
Error in the entire temperature range	±12 mV (±0.06 %)
Refresh cycle time	10 µs per channel
Galvanic isolation between channels	500 V
Galvanic isolation for the system	500 V
Approvals/Certificates	
General	CE, UKCA, cULus
Marine	ABS, BV, DNV, KR, LR, NK, RINA
Environmental conditions	
Operating temperature	-30 °C to +60 °C
Relative humidity, operation	5 % to 95 % noncondensing
Storage temperature	-40 °C to +85 °C
Relative humidity, storage	5 % to 95 % with condensation
Pollution degree acc. IEC 60664-1	2 (noncondensing)

**Order data**

Part type designation	Part number	Description
AO202	00010692-00	Analog output module; 2x Out ±10 V; 16 bit; high precision 0.0125 %; 10 µs refresh cycle; single isolated

**Accessories**

Part type designation	Part number	Description
KZ-AO202 B+C	00011980-50	Terminal set Phoenix cage clamp (2x KZ 35/04) with labeling strips and keying elements