

SIMATIC S7-200, ANALOG OUTPUT EM 232, FOR S7-22X CPU ONLY, 2 AQ, +/- 10V DC, 12 BIT CONVERTER



Input current	
from backplane bus 5 V DC, max.	20 mA
from sensor current supply or external current supply (24 V DC), max.	70 mA
Power loss	
Power loss, typ.	2 W
Analog outputs	
Number of analog outputs	2
Output ranges, voltage	
• -10 V to +10 V	Yes
Output ranges, current	
• 4 mA to 20 mA	Yes
Load impedance (in rated range of output)	
• with voltage outputs, min.	5 kΩ
• with current outputs, max.	0.5 kΩ
Analog value generation for the outputs	
Integration and conversion time/resolution per channel	

• Resolution with overrange (bit including sign), max.	12 bit; V/12 bit, I/11 bit
<b>Settling time</b>	
• for voltage output	100 µs
• for current output	2 ms
<b>Displayable conversion value range</b>	
• bipolar signals	-32 000 to +32 000
• unipolar signals	0 to 32 000
<b>Errors/accuracies</b>	
<b>Operational error limit in overall temperature range</b>	
• Voltage, relative to output range, (+/-)	2 %
• Current, relative to output range, (+/-)	2 %
<b>Basic error limit (operational limit at 25 °C)</b>	
• Voltage, relative to output range, (+/-)	0.5 %
• Current, relative to output range, (+/-)	0.5 %
<b>Potential separation</b>	
<b>Potential separation analog outputs</b>	
• Potential separation analog outputs	No
<b>Connection method</b>	
Plug-in I/O terminals	No
<b>Dimensions</b>	
Width	46 mm
Height	80 mm
Depth	62 mm
<b>Weights</b>	
Weight, approx.	148 g
<b>last modified:</b>	03/16/2017