2-Channel Analog Output Module 0-20 mA, Ex i





The analog output modules transmits intrinsically safe 0/4 - 20mA signals in the hazardous Zone 0+1.

The WAGO-I/O-SYSTEM 750 must be installed either in Zone 2 or in a non-hazardous area.

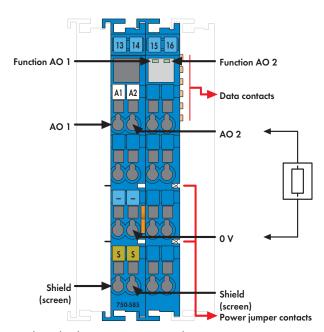
Power is derived from the power jumper contacts.

The outputs are short-circuit proof.

LED displays:

Green LÉD (output status)

Field and system levels are electrically isolated.



Delivered without miniature WSB markers

 $\textbf{Note:} \ \text{The analog output module must only be operated via Ex i 24VDC power supply!}$

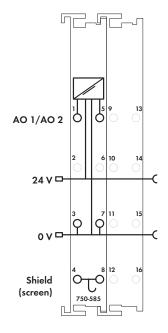
General information (e.g., installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM $750\,$ manuals!

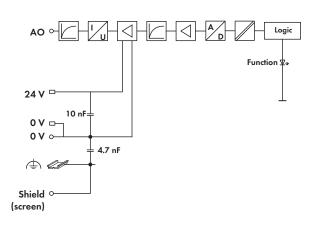
Description		Item No.	Pack. Unit
2AO 0-20mA Ex i		750-585	1
2AO 4-20 mA Ex i		750-586	1
Accessories		Item No.	Pack. Unit
Miniature WSB (Quick marking system		
Committee	plain	248-501	5
Landerson	with marking	see Section 11	
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(TESTEROLOGICAL STREET)			
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(EPO) calabases			
(CTMCCockstones)			
220004444			

Technical Data	
No. of outputs	2
Current consumption, system voltage typ.	
(5 VDC)	21 mA
Voltage via power jumper contacts	24 V DC (provided via Ex-i supply
	$U_{\odot} = \text{max. } 27.3 \text{ V}$
Signal current	0 20 mA (750-585)
	4 mA 20 mA (750-586)
Load impedance	< 500 Ω
Linearity	± 2 LSB
Resolution	12 bits
Conversion time	< 2 ms
Output error 25 °C	$< \pm 0.2$ % of the full scale value
Temperature coefficient	$< \pm$ 0.01 % / K of the full scale value
Current consumption, power jumper	
contact typ. (24 VDC)	19 mA + load (2 x 20 mA)
Power consumption P _{max} .	1.5 W
Power loss P_{v}	0.9 W
Isolation	$U_{M} = 375 \text{ V system/supply}$
Bit width	2 x 16 bits data

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E-Mail: info@wago.com www.wago.com





Explosion Protection

Technical Data			
Wire connection	CAGE CLAMP®		
Cross sections	$0.08~\text{mm}^2 \dots 2.5~\text{mm}^2 \ / \ AWG \ 28 \dots 14$		
Strip lengths	8 9 mm / 0.33 in		
Width	24 mm		
Weight	58.5 g		
EMC immunity of interference	acc. to EN 61000-6-2, marine application		
EMC emission of interference	acc. to EN 61000-6-3, marine application		

-	
Electric circuit, safety-relevant data	$U_{\circ} = 27.3 \text{ V}$; $I_{\circ} = 57.5 \text{ mA}$; $P_{\circ} = 392 \text{ mW}$;
	Characteristic: Linear
Reactances Ex ia IIC	$L_o = 11 \text{ mH; } C_o = 88 \text{ nF}$
Reactances Ex ia IIB	$L_{o} = 56 \text{ mH}; C_{o} = 680 \text{ nF}$
Reactances Ex ia IIA	$L_o = 90 \text{ mH}; C_o = 2.2 \mu\text{F}$
Reactances Ex ia I	$L_{o} = 110 \text{ mH; } C_{o} = 3.5 \mu\text{F}$
Reactances	(The above-listed ratings do not account for
	the coincidental occurrence of
	capacitances and inductances. For ratings
	taking the coincidental occurrence of
	capacitances and inductances into
	account, see manual)
Standards, Guidelines and A	provals
Sidiladias, Oblaelilles alia A	opi ovais
Conformity marking	CE
ATEX Guideline 2014/34/EU	EN 60079-0, -7, -11, -26, -31
EC EMC guideline 2014/30/EU	
Korea Certification	
Marine applications	ABS^{1} , BV^{1} , DNV^{1} , GL , KR^{1} , LR^{1} , NKK^{1} ,
	PRS ¹⁾ , RINA ¹⁾
■ E175199 Ordinary Locations	
	I M2 (M1) Ex d [ia Ma] I Mb,
	II 3 (1) G Ex ec [ia Ga] IIC T4 Gc,
	II 3 (1) D Ex tc [ia Da] IIIC T135°C Dc
IECEx TUN 12.0039 X	Ex d [ia Ma] I Mb,
TEČEX	Ex ec [ia Ga] IIC T4 Gc,
	Ex tc [ia Da] IIIC T135°C Dc
▼ TÜV 14.1911 X	Ex d [ia Ma] I Mb,
NAME PRO	Ex nA [ia Ga] IIC T4 Gc,
	Ex tc [ia Da] IIIC T135 °C Dc
• UL E480271 Hazardous Locations	Cl I Zn 2 AEx nA [ia Ga] IIC T4 Gc
(Zone classified)	Cl I Zn 2 AEx nA [ia IIIC] IIC T4 Gc
1======================================	Ex nA [ia Ga] IIC T4 Gc X
	Ex nA [ia IIIC] IIC T4 Gc X
® UL E198726 Hazardous Locations	Class I, Div. 2, Group A B C D, T4
	Class I, DIV. 2, Group A B C D, 14
(Division classified)	
1) Dans and marks to 750 594	
1) Does not apply to 750-586	

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