

2-Channel Analog Output Module 0/4-20 mA

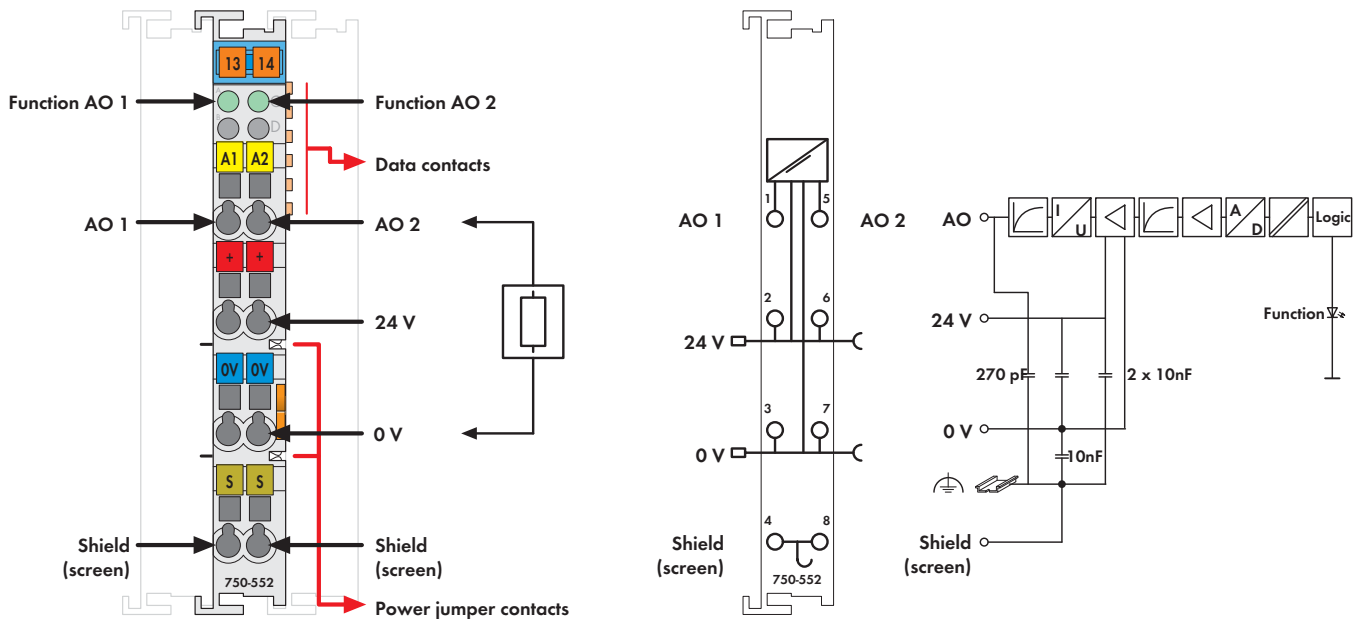


Fig. 750 Series
Delivered without miniature WSB markers

The analog output module creates a standardized signal of 0-20mA or 4-20mA.

The output signal is electrically isolated and will transmit with a 12-bit resolution.

“Current” analog output modules use power derived from the field side (loop powered).

Description	Item No.	Pack. Unit
2AO 0-20mA	750-552	1
2AO 4-20mA	750-554	1
2AO 0-20mA/S5 ¹⁾	750-552/000-200	1
2AO 0-20mA/T	750-552/025-000	1
Extended temperature range: -20 °C ... +60 °C		
2AO 4-20mA/S5 ¹⁾	750-554/000-200	1
2AO 4-20mA/T	750-554/025-000	1
Extended temperature range: -20 °C ... +60 °C		
2AO 0-20mA (without connector)	753-552	1
2AO 4-20mA (without connector)	753-554	1
¹⁾ Data format for S5 control with FB 251		
Accessories	Item No.	Pack. Unit
753 Series Connectors	753-110	25
Coding elements	753-150	100
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see Section 11	
Approvals		
Conformity marking	CE	
Korea Certification		
Marine applications (versions upon request)	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
TÜV 07 ATEX 554086 X	I M2 Ex d I Mb, II 3 G Ex nA IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc	
IECEx TUN 09.0001 X	Ex d I Mb, Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc	

Technical Data	
No. of outputs	2
Current consumption typ. (internal)	70 mA
Voltage via power jumper contacts	24 V DC (-25 % ... +30 %)
Signal current	0 - 20mA (750-552 / 753-552)
	4 - 20mA (750-554 / 753-554)
Load impedance	< 600 Ω
Linearity	± 10 µA
Resolution	12 bits
Conversion time	approx. 2 ms
Measuring error (25 °C)	< ± 0.1 % of the full scale value
Temperature coefficient	< ± 0.01 % /K of the full scale value (750-552 / 753-552)
	< ± 0.015 % /K of the full scale value (750-554 / 753-554)
Isolation	500 V system/supply
Bit width	2 x 16 bits data 2 x 8 bits control/status (option)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, marine applications