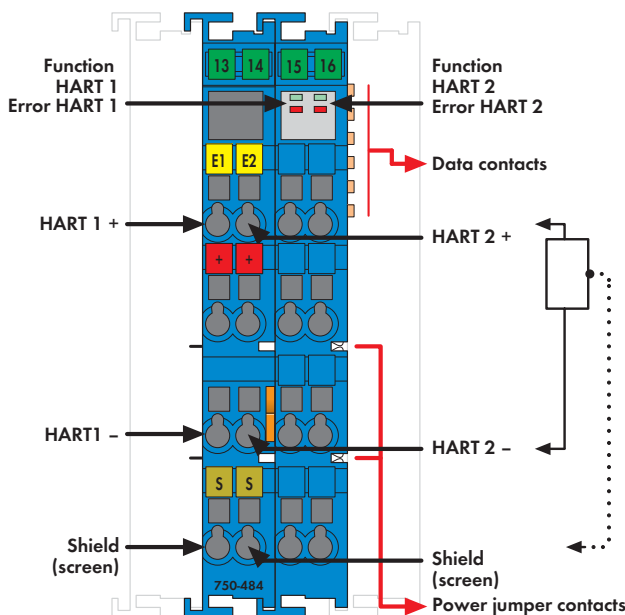


2-Channel Analog Input Module 4-20 mA HART, Ex i

Single-ended (S.E.)



Delivered without miniature WSB markers

The analog input module connects two field-side transformers equipped with a HART interface that are to be used in hazardous environments of Zones 0+1. It supplies the transducers, reads the process values via analog interface and enables HART communication for configuring and importing dynamic variables. The WAGO-I/O-SYSTEM 750 must be installed either in Zone 2 or in a non-hazardous area.

The 24V supply is derived from the power jumper contacts via multipliers to the field contacts (HART +). The shield (screen) is directly connected to the DIN rail.

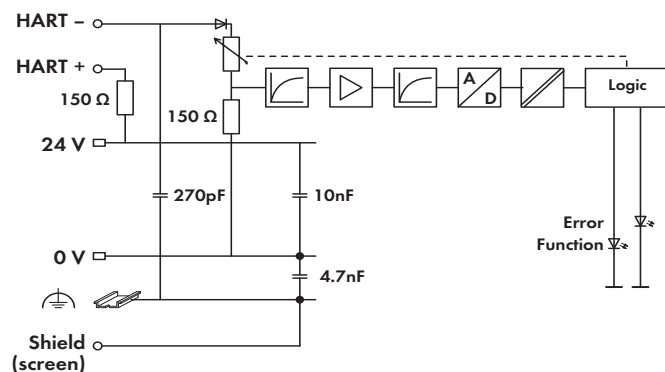
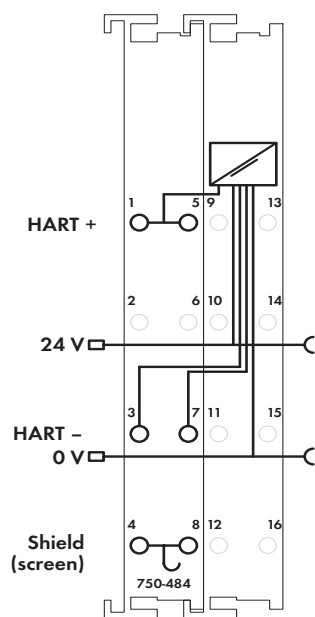
The measurement input is equipped with current limitation, which limits the current to a max. 25mA. These modules can supply the voltage for 2-wire transducers without dedicated power supply.

Up to 4 HART dynamic variables (PV, SV, TV, QV) per channel can be mapped in the cyclic process image of the coupler or controller (configurable). For HART communication with connected intelligent HART field devices, the HART protocol can be mapped in the cyclic process image of the coupler or controller (configurable). FDT/DTM device drivers are available for select (programmable) couplers, allowing HART tool routing to the connected HART device.

Note: The analog input 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!

[illegible][illegible]



Technical Data

Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	24mm
Weight	54 g
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)

Explosion Protection

Ex directive	EN 60079-0:2012, EN 60079-11:2007, EN 60079-15:2010, EN 60079-31:2009
Electric circuit, safety-relevant data	V ₀ = 27.3 V; I ₀ = 92.7 mA; P ₀ = 630 mW; Characteristic: Linear
Reactances Ex ia IIC	L ₀ = 1.5 mH; C ₀ = 87 nF
Reactances Ex ia IIB	L ₀ = 15 mH; C ₀ = 670 nF
Reactances Ex ia I	L ₀ = 36 mH; C ₀ = 3.49 µF
	(The above listed ratings do not consider the coincidental occurrence of capacitances and inductances. For ratings taking the coincidental occurrence of capacitances and inductances into account, see manual)

Standards, Guidelines and Approvals

EC EMC guideline	2004/108/EC
EC low voltage guideline	2006/95/EC
Conformity marking	CE
Shipbuilding	ABS, BV, DNV, GL, KR, LR, NKK, RINA
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
TÜV 07 ATEX 554086 X	I M2 (M1) Ex d [ia Ma] I Mb, II 3 (1) G Ex nA [ia Ga] IIC T4 Gc, II 3 (1) D Ex tc [ia Da] IIIC T135 °C Dc
Permissible ambient temperature: 0 °C ≤ T _A ≤ +60 °C	
TUN 09.0001X	Ex d [ia Ma] I Mb, Ex nA [ia Ga] IIC T4 Gc, Ex tc [ia Da] IIIC T135 °C Dc
Permissible ambient temperature: 0 °C ≤ T _A ≤ +60 °C	

Also see "Approvals Overview" in Section 1