

Delivery without Mini WSB marker

The analog output module creates intrinsically safe 0-20 mA signals in the hazardous area of Zone 1. The WAGO-I/O-SYSTEM 750 has to be installed in Zone 2 or in non-hazardous environments. "Current" analog output modules use power derived from the power jumper contacts.


Outputs are short-circuit-protected.

Indicators:  
• Green LED (output status)

Each output is electrically isolated from the bus by use of optocouplers.

**Note:**

Only use the analog output module in connection with the 24 V DC Ex i 750-625 Supply Module (note the power supply instructions on page 27)! General information (e.g. installation regulations) on explosion protection is available in the WAGO-I/O-SYSTEM 750 manuals!

| Description   | Item no.   | Pack. unit |
|---|--|------------|
| <b>2AO 0-20mA Ex i</b>  | <b>750-585</b>   | <b>1</b>   |
| Accessories   | Item no.   | Pack. unit |
| <b>Miniature WSB quick marking system,</b>  |  |            |
|  plain | <b>248-501</b>   | <b>5</b>   |
| with marking  | see pages 256 ... 257  |            |
| Explosion Protection  |  |            |
| Ex directive  | 94 / 9 / EG; EN 50014, EN 50020, EN 60079-0, EN 60079-15   |            |
| Marking   | ⊕ II 3 (2) GD Ex nA [ib] IIC / IIB T4  |            |
| Electric circuit, safety relevant data  | $V_0 = 27.3 \text{ V}$ ; $I_0 = 57.5 \text{ mA}$ ; $P_0 = 392 \text{ mW}$ ; Characteristic: Linear   |            |
| Intrinsically safe Ex ib IIB  | $L_0 = 56 \text{ mH}$ ; $C_0 = 680 \text{ nF}$   |            |
| Intrinsically safe Ex ib IIC  | $L_0 = 11 \text{ mH}$ ; $C_0 = 88 \text{ nF}$  |            |
| Intrinsically safe  | without consideration of the simultaneousness; with consideration of the simultaneousness see manual |            |
| Standards, Guidelines and Approvals   |  |            |
| EC EMC guideline  | 89 / 336 / EWG   |            |
| EC low voltage guideline  | 73 / 23 / EWG  |            |
| ⊕ EN 50020  | ⊕ II 3 (2) GD Ex nA [ib] IIC / IIB T4  |            |
| Conformity marking  | CE   |            |
| UL 508  |  |            |
| ANSI/ISA 12.12.01   | Class I, Div. 2, Grp. ABCD, T4   |            |
| EN 60079-15   | I M2 / II 3 GD Ex nA IIC T4  |            |
| Marine applications   | see "Approvals Overview" in section 1  |            |

| Technical Data                        |   |
|---------------------------------------|---|
| No. of outputs                        | 2   |
| Current consumption max. (internal)   | 21 mA   |
| Voltage via power jumper contacts     | Supply via DC 24.7 V Ex i supply module (750-625) |
| Signal current                        | 0 ... 20 mA                                       |
| Load impedance                        | < 500 Ω   |
| Linearity                             | ± 2 LSB   |
| Resolution                            | 12 bits   |
| Conversion time                       | < 2 ms  |
| Measuring error (25 °C)               | < ± 0.2 % of the full scale value                 |
| Temperature coefficient               | < ± 0.01 % / K of the full scale value            |
| Current consumption typ. (field side) | 19 mA / module + load (2 x 20 mA)                 |
| Power consumption P (max.)            | 1.5 W   |
| Power loss Pv                         | 0.9 W   |
| Isolation                             | 375 V system/supply                               |
| Bit width                             | 2 x 16 bits 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                                 | 24 mm   |
| Weight                                | 48.5 g  |
| EMC CE-Immunity to interference       | acc. to EN 61000-6-2 (1999)                       |
| EMC CE-Emission of interference       | acc. to EN 61000-6-4 (2002)                       |
| EMC marine applications -             |   |
| Immunity to interference              | acc. to Germanischer Lloyd (2003)                 |
| EMC marine applications -             |   |
| Emission of interference              | acc. to Germanischer Lloyd (2003)                 |