

Delivered without miniature WSB markers

The RTD (resistive temperature device) input module directly connects Pt or Ni resistance sensors and potentiometers.

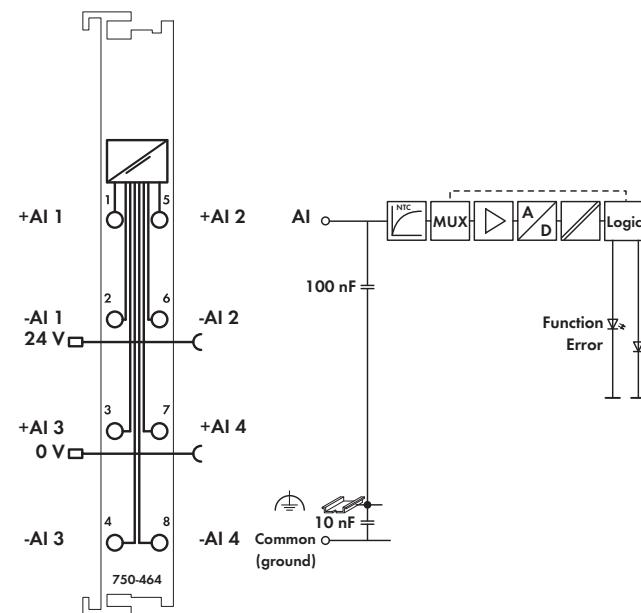
It can be operated as a 2-channel (2- and 3-conductor technology) or 4-channel (2-conductor technology) module.

The module automatically linearizes the entire temperature range.

A sensor error is indicated by a red LED.

The module can be configured via WAGO-I/O-CHECK or GSD.

Multiple setting options and high accuracy stand out.



The 750-464/020-000 version may connect NTC sensors.

Technical data for variant 750-464/020-000:

- Number of inputs: 4
- Sensor types: NTC 10 kOhm, NTC 20 kOhm, NTC 10 kOhm (Thermokon)
- Sensor connection: 2-conductor
- Temperature range: -30 °C ... +120 °C
- Measuring error: ≤ 2 K over entire temperature range

Description	Item No.	Pack. Unit
2/4 AI RTD, configurable	750-464	1
4 AI NTC, configurable	750-464/020-000	1
Differing technical data see text		
Accessories	Item No.	Pack. Unit
WAGO-I/O-CHECK, RS-232 kit	759-302	1
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see Section 11	
Approvals		
Conformity marking	CE	
Korea Certification	KC	
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	
Number of inputs	2 / 4 (default setting)
Power supply	via system voltage DC/DC
Current consumption typ. (internal)	50 mA
Sensor types	Pt 100 (default setting), Pt 200, Pt 500, Pt 1000, Ni 100, Ni 120, Ni 1000, Potentiometer (only 2-channel operation), 10 Ohm ... 1.2 kOhm, 10 Ohm ... 5 kOhm
Sensor connection	2-conductor (default setting), 3-conductor (2-channel operation)
Temperature range	-200 °C ... +850 °C (Pt100), -60 °C ... +300 °C (Ni 100, Ni 1000), -60 °C ... +250 °C (Ni 1000 TK5000), -80 °C ... +260 °C (Ni 120)
Resolution (over entire range)	0.1 °C
Measurement repetition rate (standard)	1.1 s
Measurement repetition rate (2-channel/ 2-conductor)	0.63 s
Response time (max.)	4 s
Measuring error (25 °C)	≤ 1 K in the entire temp. range, ≤ 0.5 K in the restricted temp. range*
Temperature coefficient	≤ 20 ppm/K
Isolation	500 V system/supply
Measuring current (typ.)	≤ 350 µA
Bit width	4 (2) x 16 bits data 4 (2) x 8 bits control/status (option)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	50.6 g
EMC immunity of interference	acc. to EN 61000-6-1, EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications