EN

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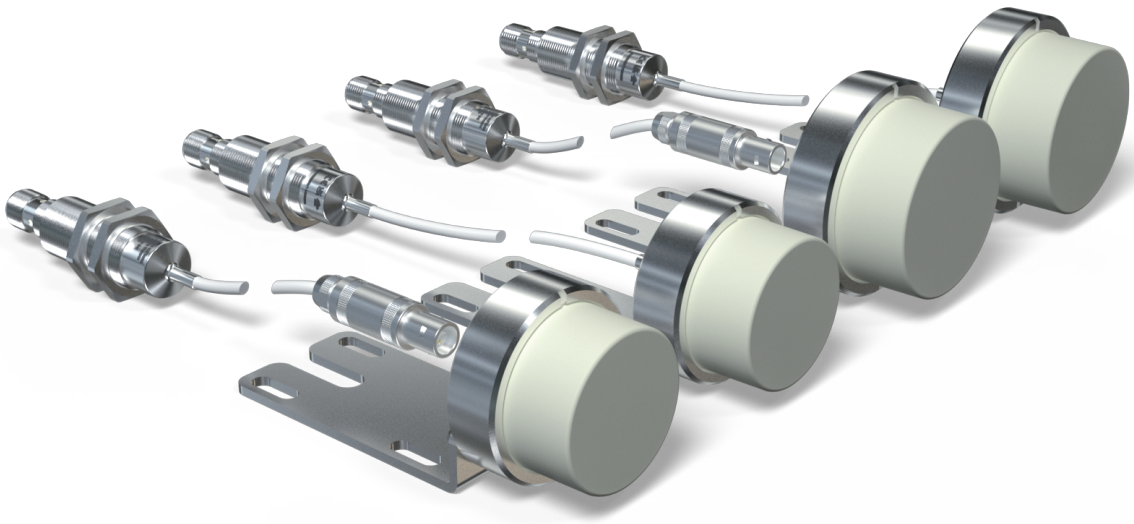
INTT2xx
INTT3xx

Inductive Sensors for Extreme Temperature Ranges with IO-Link V1.1



IO-Link

Interface Description

Subject to change without notice
Available as PDF version only
Status: 05.02.2026
www.wenglor.com

IO-Link

Vendor ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
wenglor sensoric GmbH	0x0057	87	00 57	0 87

Device ID

Product	hex	dec	hex (Bytes)	dec (Bytes)
INTT201	0x27FA01	2619905	27 FA 01	39 250 1
INTT203	0x27FA02	2619906	27 FA 02	39 250 2
INTT207	0x27FA03	2619907	27 FA 03	39 250 3
INTT209	0x27FA04	2619908	27 FA 04	39 250 4
INTT211	0x27FA05	2619909	27 FA 05	39 250 5
INTT213	0x27FA06	2619910	27 FA 06	39 250 6
INTT223	0x27FA0D	2619917	27 FA 0D	39 250 13
INTT227	0x27FA0E	2619918	27 FA 0E	39 250 14
INTT229	0x27FA0F	2619919	27 FA 0F	39 250 15
INTT231	0x27FA10	2619920	27 FA 10	39 250 16
INTT247	0x27FA17	2619927	27 FA 17	39 250 23
INTT249	0x27FA18	2619928	27 FA 18	39 250 24
INTT251	0x27FA11	2619921	27 FA 11	39 250 17
INTT301	0x27FA07	2619911	27 FA 07	39 250 7
INTT303	0x27FA08	2619912	27 FA 08	39 250 8
INTT307	0x27FA09	2619913	27 FA 09	39 250 9
INTT309	0x27FA0A	2619914	27 FA 0A	39 250 10
INTT311	0x27FA0B	2619915	27 FA 0B	39 250 11
INTT313	0x27FA0C	2619916	27 FA 0C	39 250 12
INTT323	0x27FA12	2619922	27 FA 12	39 250 18
INTT327	0x27FA13	2619923	27 FA 13	39 250 19
INTT329	0x27FA14	2619924	27 FA 14	39 250 20
INTT331	0x27FA15	2619925	27 FA 15	39 250 21
INTT347	0x27FA19	2619929	27 FA 19	39 250 25
INTT349	0x27FA1A	2619930	27 FA 1A	39 250 26
INTT351	0x27FA16	2619926	27 FA 16	39 250 22

IO-Link Version: V1.1
Min Cycle Time: 3,9 ms
SIO-Mode Yes
COM-Mode COM2

Process Data (Length 2 bit)

Name	Bit Offset	Length	Range
Object presence	0	1 Bit	0 = false = no object 1 = true = object detected
Error indication	1	1 Bit	0 = false = no error 1 = true = error

Parameter

Name	Index (hex)	Index (dec)	Subindex	R/W	Data type	Default value	Range
Identification							
Direct Parameters 1.Vendor ID 1	0x0000	0	8	R	Uint8		
Direct Parameters 1.Vendor ID 2	0x0000	0	9	R	Uint8		
Direct Parameters 1.Device ID 1	0x0000	0	10	R	Uint8		
Direct Parameters 1.Device ID 2	0x0000	0	11	R	Uint8		
Direct Parameters 1.Device ID 3	0x0000	0	12	R	Uint8		
Parameter							
Write parameters to OTP memory	0x0001	1	5	R/W	Uint8	0	0 = No action 146 = Write parameter
Switching Distance	0x0001	1	3 (Bit 0...1)	R/W	Uint2	0	0 = Switching Distance 1 (high) 1 = Switching Distance 2 (middle) 3 = Switching Distance 3 (low)
A1 Function	0x0001	1	3 (Bit 2)	R/W	Bool	0	0 = NO 1 = NC
A2 Function	0x0001	1	3 (Bit 5...6)	R/W	Uint2	1	0 = Antivalent 1 = Error Output (NC) 2 = Error Output (NO) 3 = No Output
Output Mode A1	0x0001	1	3 (Bit 3...4)	R/W	Uint2	1	0 = Push-Pull 1 = PNP 2 = NPN

Notes on Use

RAM-memory
The changed parameters are stored in the volatile memory of the sensor. This could be used for testing and if the configuration of the sensor changes often (e. g. for different production batches).

Changes have the following effects:
• Sensor behavior is adjusted immediately without a restart according to the changed parameter.
• In case of a sensor restart (e. g. by turrning power off and on) the settings are lost.
• Changes have no effects on the OTP-memory of the sensor.

OTP-memory
By writing the parameters, they are stored in the non-volatile memory. At every start-up the OTP parameters are loaded to the RAM of the sensor. The OPT-memory has limited write cycles. The wenglor sensoric GmbH can guarantee at least 240 writes to the OTP-memory at delivery.
The current number of writes is readable from the parameter “Counter OTP memory”.

Procedure to save parameters in the OTP-memory of the sensor:
1. Test the sensor settings within the application until the desired configuration is clear.
2. Set the parameter „Write parameters to OTP-memory“ to „write parameters“ and send it to the sensor.
3. The configuration is applied directly, and after a restart it is loaded from the OTP-memory.
4. New configuration is stored in the sensors RAM and OTP-memory.