

KD41 CANopen® Pressure Transducer

Parameter Set Survey

1 Hardware

Galvanic isolation included ☐ No ☐ Yes (-40 to 105°C)

Bus termination included ☐ No
☐ Yes: 120Ω
☐ Yes: Split (2x 60Ω + 4,7nF)
☐ Yes: Switchable 120Ω (-40 to 212°F (-40 to 100°C))

EMC requirements ☐ Industrial CE
☐ 12V/24V vehicles
☐ Railway applications

2 Software Parameters

2.1 General Parameters

Initial Bit Rate [kBit/s] ☐ 20 ☐ 100
☐ 33.333 ☐ 125 (standard)
☐ 40 ☐ 250
☐ 47.619 ☐ 500
☐ 50 ☐ 800
☐ 83.333 ☐ 1000
☐ 95.238 ☐ Other:

Endianness of measurements ☐ Little Endian (CANopen® standard)
☐ Big Endian

Start-up behavior ☐ Automatic transfer to *Operational State* (Autostart)
☐ Non-automatic transfer to *Operational State*

Node-ID ☐ 0x20 (32₁₀) ☐ Other:

Vendor-ID ☐ 0x1B7 (ADZ) ☐ Other:

KD41 CANopen® Pressure Transducer

Parameter Set Survey

COB-ID settings	SYNC (0x1005)	☐ 0x80	☐ Other:
	TIME (0x1012)	☐ 0x100	☐ Other:
	EMCY (0x1014)	☐ 0x80 + Node-ID	☐ Other:
	TPDO1 (0x1800)	☐ 0x00000180 + Node-ID	☐ Other:

Process Value - Linear Scaling	Pressure (Primary channel)	☐ 0...20000 ($\hat{=}$ measuring range)	☐ Other:
-----------------------------------	-------------------------------	--	---------------------------------

2.2 TPDO Configuration

Communication parameters	Transmission trigger TPDO1	☐ Timer (time as follows:	ms)
		☐ Sync (count as follows:	)

Mappings (valid mappings see section 3)	TPDO1 mappings	Mapping 1:
		Mapping 2:
		Mapping 3:
		Mapping 4:

2.3 Additional Parameters

Heartbeat interval	☐ Enabled (time as follows:	ms)
	☐ Disabled	

User-defined serial number (Unsigned64; lower 32 bits used for LSS)	☐ Based on the engraved "Z..." number
	☐ Other

Device Name String (Corresponds to object entry 0x1008)	☐ Empty
	☐ Other

Comment String (Accessible via object entry 0x4020)	☐ Empty
	☐ Other

KD41 CANopen® Pressure Transducer

Parameter Set Survey

3 Appendix A - Valid TPDO Mapping Entries

TPDO mapping is a simple and flexible method to build *Process Data Messages* and to arrange the desired data values completely according to the user's needs. There are multiple values that can be mapped into TPDO1. The following table shows all mappable entries.

Name	Value Type	Value Range	Object Index, sub-index
Error Register	Unsigned8	-	0x1001, -
Field Value (Primary Channel)	Integer16	0...20000	0x7100, 1
Field Value (Secondary Channel)	Integer16	0...20000	0x7100, 2
Process Value (Primary Channel)	Integer16	(Acc. to linear scaling, section 2.1)	0x7130, 1
	Integer32	(Acc. to linear scaling, section 2.1)	0x9130, 1
	Float32/Real	(Acc. to linear scaling, section 2.1)	0x6130, 1
Status Byte (Primary Channel)	Unsigned8	-	0x6150, 1
Time stamp (Days since 1984-01-01)	Unsigned16	-	0x3140, 1
Time stamp (Milliseconds)	Unsigned32	-	0x3140, 2