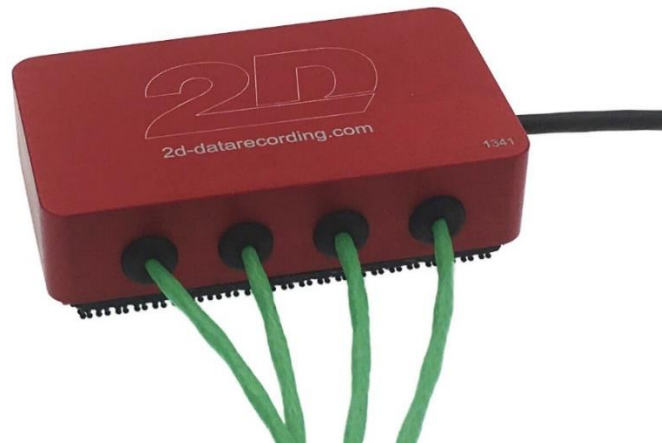


BC-TK4iso-000

4x Type K to CAN interface



Key Features

- Each Channel galvanically isolated
- Ultra-compact and lightweight design

Options:

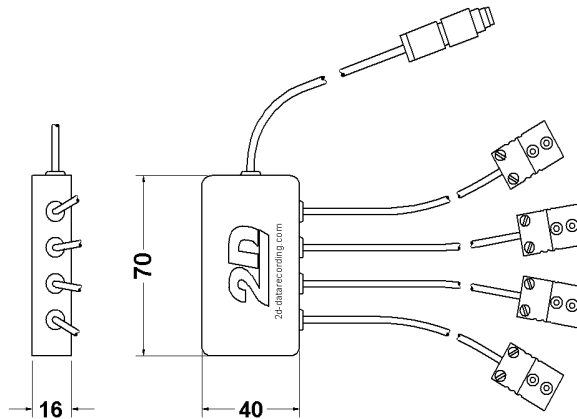
- Connector and cable length can be modified on customer request
- Available with Waterproof Thermocouple Connectors Deutsch ASL or Lemo 0S

Technical specifications

Electrical characteristics			Mechanical characteristics		
Power supply	V	8 to 18	Housing material	Aluminum	
Current consumption @ 12 V	mA	70	Dimensions	mm	70x40x16
Channels (temperature type K)		4	Weight	g	170
Galvanic isolation of the channels		Yes	CAN connection	Binder 712, 5PM	
Isolation level			Length	mm	300
between channels	V	100	Type K (4x)		
between channel & supply voltage	V	100	Length	mm	800
Temperature range	°C	-200 to +1000	Wire cross section	2x AWG24	
Sampling rate	Hz	Max. 400	Vibration resistance		
Max. input voltage to internal ground	V	5	Shock	G	40
Resolution	bit	21	During time period of	ms	10
Environmental data			Vibration tested at	G	12
Protection class	IP	67*	Measured with	Hz	1000
Ambient operating range	°C	0 to +70	Ordering information		
Humidity	%	5 to 95	Art. No. BC-TK4ISO-000	Miniature IEC	
			Art. No. BC-TK4ISO-101	Deutsch ASL	
			Art. No. BC-TK4ISO-102	Lemo 0S	

* with Deutsch or Lemo connectors

Dimensions



Calibration

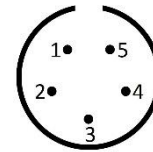
Temperature	Multiplicator	Offset
Value [°C]	= 0.1	* digits - 0

Connector layout

Connector type

CAN, Binder 719, 5PM

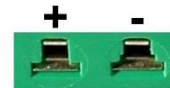
Pin	Name	Description	Color
1	CAN Hi	CAN High	white
2	CAN Lo	CAN Low	green
3	GND	Ground	black
4	n.c.	Not connected	-
5	Vext	Power supply 8- 16V	red



front view

Thermocouple, Miniature IEC, 2PF

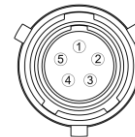
Pin	Name	Description	Color
+	Sig +	Thermocouple +	green
-	Sig -	Thermocouple -	white



front view

Thermocouple (option -101), Deutsch ASL 1 06-05 SD-HE, 5PF

Pin	Name	Description	Color
1	Sig +	Thermocouple +	green
2	Sig -	Thermocouple -	white
3	n.c.	Not connected	-
4	n.c.	Not connected	-
5	n.c.	Not connected	-



front view

Thermocouple (option -102), Lemo PCA.0S.302.CYKC37ZN, 2PF

Pin	Name	Description	Color
1	Sig +	Thermocouple +	green
2	Sig -	Thermocouple -	white



front view