

## BC-xANADIG-000

## Box CAN, 8 Analog-IN, 2 Digital-IN

### Features

- Measures up to 8 analogue signals with each selectable input range of 0-5, 0-10 or 0-20V
- Analog 1 and 5 with switchable pull-up resistors
- 2 versions of analog value resolution available: 12Bit or 16Bit
- Measures up to 2 digital signals
- Directly plug in of WB-2miniA-000
- On request with laptime information channels: Source channel can be a digital sensor (e.g. 2D standard lap receiver) or various analogue sensors



### Technical specifications

#### Electrical characteristics

Power supply.....	8-30 Vdc
Current consumption@12V... (w/o any sensor)	50 mA
Max current for sensor:	
@ Vcc (+5V)..	50 mA
@ +12V.....	100 mA

#### Channels

Analogue Inputs.....	max. 8
Analog Input range.....	5 10 20 V
Digital Inputs.....	max. 2
Digital Input range.....	0-3kHz
Lap / Section Inputs.....	max. 1
Sampling rate.....	up-to 400 Hz / CH

#### Connector

CAN output (standard)... Binder 712, 5PM  
 Analog Input (standard).. Binder 712, 8PF  
 or on customer request.. open wires

#### Mechanical characteristics

Dimensions.....	44 x 34 x 15 mm
Weight (incl. cables).....	60 g
Housing material.....	aluminium

#### Vibration resistance

Shock.....	40 G
.....	10 ms
Vibration tested at.....	12 G
.....	1000 Hz

#### Environmental data

Ambient operating range.....	0 to +75 °C
Humidity.....	5 to 95 %
Sealing Class.....	IP 67

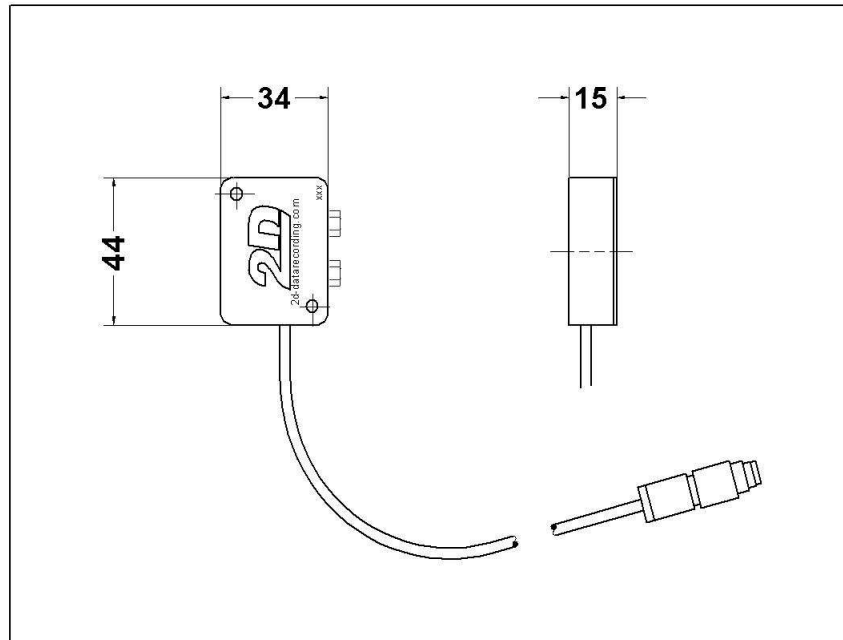
### Ordering information

Art.No.:	BC-8ANAstD-000	BC-8ANASw-000	BC-8ANA2DIG-000	BC-8ANA2DIG-001
Analog input channels..	8 x Analog-IN	8 x Analog-IN	8 x Analog-IN	8 x Analog-IN
Selectable input range..	fix (0-20V)	0-5V   0-20V	0-5V   0-10V   0-20V	0-5V   0-10V   0-20V
Resolution.....	12Bit (5mV/Bit)	12Bit	16Bit (oversampling)	16Bit (oversampling)
Max. sampling rate.....	50Hz	200Hz	400Hz	400Hz
Analog Input.....	2xBinder712,8PF	2xBinder712,8PF	2xBinder712,8PF	open wires/flying leads
CAN output.....	1xBinder 712,5PM	1xBinder 712,5PM	1xBinder 712,5PM	1xBinder 712,5PM
Switch. pull-up resistors	N/A	N/A	2 x Analog IN	2 x Analog IN
Digital Input.....	N/A	N/A	2 x Digital IN	2 x Digital IN

**BC-xANADIG-000**

**Box CAN, 8 Analog-IN, 2 Digital-IN**

**Dimensions**



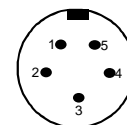
**Connector layout**

**CAN output**

Pin	Name	Description	Color (standard)
1	CAN H	CAN Bus High	white
2	CAN L	CAN Bus Low	green
3	GND	Ground	black
4	n.c.	Not connected	-
5	Vext	Power IN (8-18V)	red

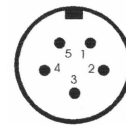
**Connector types**

**Connector at module**



Binder 712, 5 PM (front side)

**Mating plug**

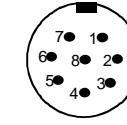


Binder 712, 5 PF (front side)

**Analog Input**

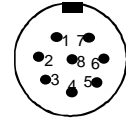
Pin	Name	Description	Color
1	Vcc	+5V sensor supply	pink
2	GND	Ground	blue
3	Dig1/2	Digital input	yellow
4	+12V	+12V sensor supply	orange
5	Ana 1/5	Analog input	white / yellow
6	Ana 2/6	Analog input	white / orange
7	Ana 3/7	Analog input	white / red
8	Ana 4/6	Analog input	white / green

**Connector at module**



Binder 712, 8 PF (front side)

**Mating plug**



Binder 712, 8PM (front side)



On request some options are possible for the CAN-line connector of all 2D CAN modules. Please take a look at the product group [Connectors] in the 2D Product catalog