

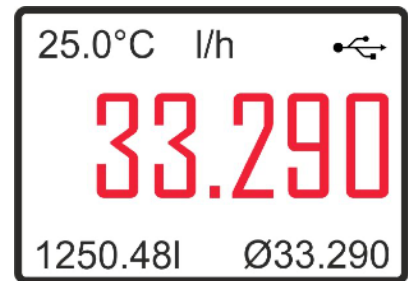
Board Computer BC 3329



Display, calculate and log easily your instantaneous fuel consumption data, cumulative measured values as well as speed/ distance and lap routine. On-board vehicle and large LCD display with a top intuitive handling.

The Board Computer BC 3329 is the new 4 screen LCD digital display for all AIC sensors. This features the following display possibilities:

- **0.5% accuracy in combination with a NEMO sensor**
- View instantaneous fuel consumption
- Fuel consumption (3 decimals)
- Making a logging is as ABC
- Fuel consumption accumulation
- Travel time
- Lap routine for later calculations of the individual lap characteristic
- Travel speed average, if speed sensor is connected
- Distance and lap travelled
- Trip hours
- Readings in metric or imperial units
- Multiple power supplies 20-28 VAC/DC, 9-12 VDC or and optional 253VAC/DC
- Easy control with start, stop logs and reset functions
- Settings are stored and will not be lost in the event of power failure
- Languages: English, German, French, Spanish and Portuguese



Two separate counters are permanently displaying and recording data for each of the selected value, such as fuel cumulative, distance cumulative and travel time.

These data and as well as others are collected in metric or in imperial units and continuously recorded onto your USB memory stick if connected and activated.

No additional software package is required, as you can import the CSV file directly to your spreadsheet and the data can be further processed.

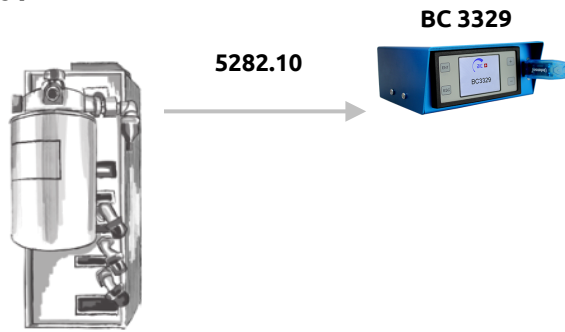
Applications:

- R&D testing: vehicle fuel consumption monitoring for medium and large trucks, buses, construction, demolition and agriculture machines
- Press rides
- Diesel electrical generator
- Fleet management applications

Features and benefits:

- Together with the fuel measuring sensor you are reaching the highest accuracy for monitoring your vehicle consumption either for testing, billing application or fleet management.
- CSV data easily retrievable via a FAT 32 formatted quality USB key stick
- Robust housing for shock protection

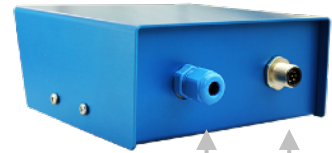
Typical 6000 Installation



Front view:



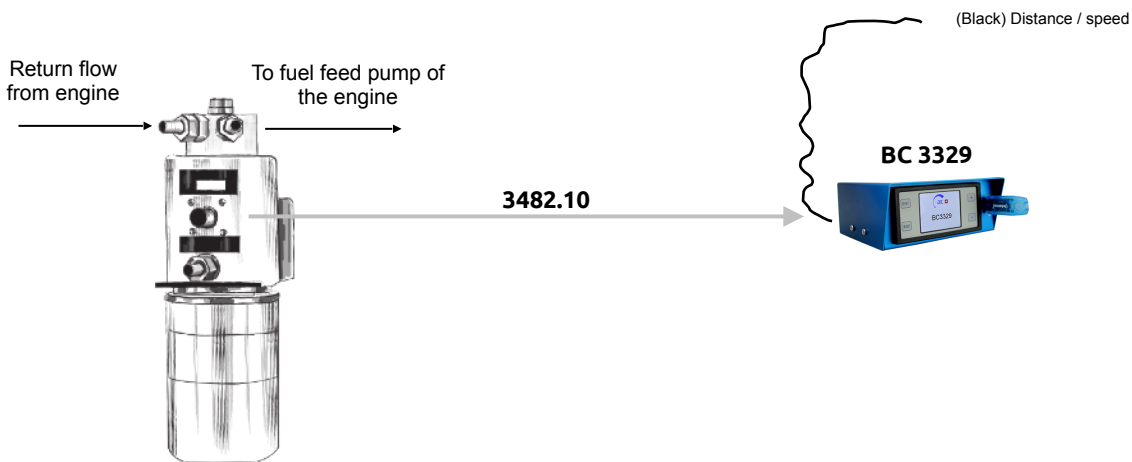
Back view:



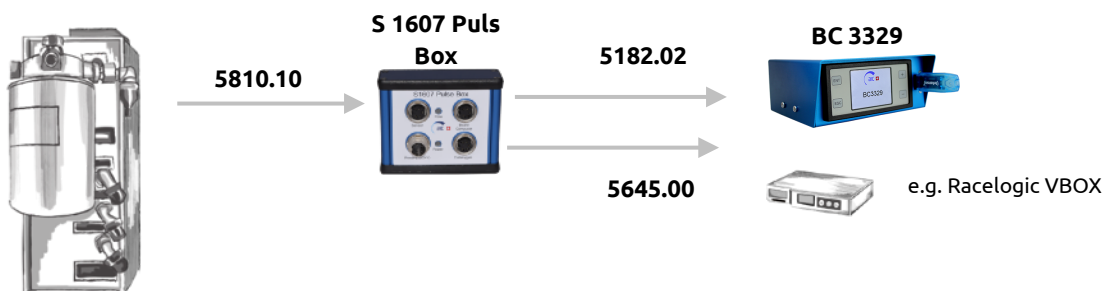
PG 7 for
power supply

M12 for
sensor signal

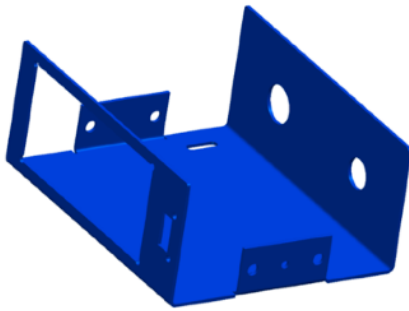
Typical 900 or 4000 Installation



Typical system setup with pulse box for third party connection

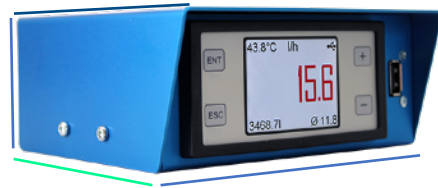


Mounting on a small footprint



58 mm,
2.3"

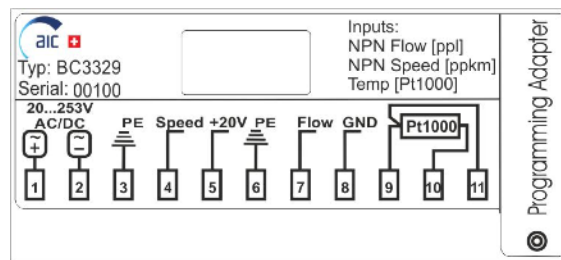
132 mm, 5.2"



113 mm,
4.45"

128 mm, 5.1"

Connection plan



Example of the CSV log file, no third party conversion software required, just import into your spreadsheet or data base application. LOG file on a PC screen:

Device and settings info

Data array

Type:	BC3329										
Ser.#:	131										
FW Ver:	9.5										
PPL:	2000										
PPkm:	175										
Date:	Time:	current Consumption:	Temperature:	total Consumption:	Ø Consumption:	Speed:	Ø Speed:	ODO:			
22.5.19	07:57:09	149.6 l/h	40.5 °C	25033.7 l	148.6 l/h	2 km/h	1.7 km/h	11234 km			
22.5.19	07:57:11	149.2 l/h	40.6 °C	25033.7 l	148.6 l/h	2 km/h	1.7 km/h	11234 km			
22.5.19	07:57:13	148 l/h	40.6 °C	25033.8 l	148.6 l/h	3 km/h	1.7 km/h	11234 km			
22.5.19	07:57:15	148.5 l/h	40.5 °C	25033.9 l	148.6 l/h	4 km/h	1.7 km/h	11234 km			
22.5.19	07:57:17	148 l/h	40.5 °C	25034 l	148.6 l/h	6 km/h	1.7 km/h	11234 km			
22.5.19	07:57:19	149.1 l/h	40.5 °C	25034.1 l	148.6 l/h	8 km/h	1.7 km/h	11234 km			
22.5.19	07:57:21	147.9 l/h	40.5 °C	25034.2 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:23	145.9 l/h	40.5 °C	25034.2 l	148.6 l/h	12 km/h	1.7 km/h	11234 km			
22.5.19	07:57:27	145.9 l/h	40.5 °C	25034.3 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:29	149.9 l/h	40.5 °C	25034.5 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:31	147.6 l/h	40.5 °C	25034.6 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:33	150.2 l/h	40.3 °C	25034.7 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:35	149.5 l/h	40.3 °C	25034.7 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:37	147.6 l/h	40.4 °C	25034.8 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:39	146.6 l/h	40.4 °C	25034.9 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:41	148 l/h	40.4 °C	25035 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			
22.5.19	07:57:43	145.2 l/h	40.4 °C	25035.1 l	148.6 l/h	10 km/h	1.7 km/h	11234 km			

Technical data

BC 3329 Board Computer

	Manufacturer	AIC SYSTEMS AG
	Dimension	128 x 132 x 56 mm / 5.1" x 5.2" x 2.3"
	Display	LCD (UV resistant), 4 screens lines, various characters, symbols and units
	Keyboard	Micro-switch push-button (UV-resistant keypad)
	Working temperature range	-5°C to +80°C (23 to 176° F)
	Housing	2 mm coated aluminum
	IP	32
	Maximum humidity:	95%, non-condensing
	Certification	EMC certified according to EN 52121-3-2:2006
Power	Supply voltage	9 - 12 VDC 20 - 28 VAC/DC Optional 20 - 253 VAC/DC
	Power supply load:	4.5W to 7.0W at 230VAC
Input	Distance speed pulse input	
	Possible range	ppKm 100 - 30000
	Input tension	U low < 0.5 V U high > 3.5 V
	Input current	< 1 mA
	Frequency	f max. > 2.5 kHz (max. speed displayed 299.9 km/h)
	Fuel pulse input	
	Possible range	ppl 30 - 9999
	Input tension	U low < 1.5 V U high > 3.5 V
	Input current	Approx. 2 mA
	Frequency (50% duty cycle)	f max. < 1 kHz
Language	Languages	English, German, French, Spanish, Portuguese
	CE-conformity:	Fulfilled
	Mounting terminals:	Plug-in screw terminals
	Weight:	About 210g
	Warranty:	1 year

25.0°C	kg/h	↔
33.290		
1250.48kg	Ø33.290	

Trip	
Distance	6.2km
Consumption	5.2l
Time	00h:12m
ODO	8564.9km

Speed	
Consumption	20.2l/100km
Ø Consump.	15.6l/100km
Speed	85km/h
Ø Speed	52km/h
ODO	8564.9km

since Start	
Distance	12.5km
Consumption	10.3l
Time	00h:25m
ODO	8564.9km

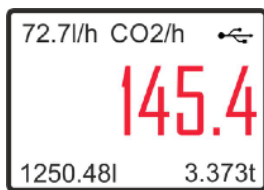
NEMO option:

- Improved fluid management implemented
- Instantaneous mass flow indication in kg or lbs
- Indicating the real time CO₂ exhaustion

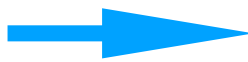


For the temperature compensation the measuring cell is upgraded with an PT 1000 high sensitive temperature probe

The masse calculation is based upon the the manually density input (according to DIN 51757 regulation).



All data are available in the log file



Date	Time	Lumped Consumption	Temperature	Total Consumption	Q Consumption	Speed	Q Speed	CO2
2019.01.01	07:57:08	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:11	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:13	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:15	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:17	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:19	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:21	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:23	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:25	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:27	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:29	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:31	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:33	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:35	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:37	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:39	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:41	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]
2019.01.01	07:57:43	148.0 [m³]	49.8 [°C]	3000.0 [l]	148.0 [m³]	0 [m³/h]	1.7 [m³/h]	1020.0 [kg]

Device Settings	
Language	EN
Code	Off
Backlight	80%
Units	imperial
Display	volume

Device Settings	
Language	EN
Code	Off
Backlight	80%
Units	metric
Display	volume

Measure Settings	
PPL	2000
PPkm	1000
LAP	On
Density [kg/m3]	600.0
CO2 [kg/l]	2.650

LOG Settings	
Log Interval	5s
Time	12:15
Date	01.01.2019
Logging	start

Ordering Structure

Description	Oder code
Board Computer BC 3329 NEMO for 20-28VDC	3329.01
Board Computer BC 3329 LOG for 20-28VDC	3329.03
Board Computer BC 3329 LOG for 09-12VDC	3329.04
Board Computer BC 3329 Display for 20-28VDC	3329.05
Board Computer BC 3329 Display for 09-12VDC	3329.06
Board Computer BC 3329 for 20-253VDC	On request

All informations are subject to change.



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