BOARD COMPUTER
BC 3034

**Display, memorise and retrieve you fuel consumption data with BC 3034.
On-Board vehicle display with standard DIN rack mounting possibilities.**

888 Instruktor

900 VERITAS©

1000

4000 VERITAS©

5000 Fuel flow Master

6000 Swissline

FS

Board Computer and Totalizer

The BC 3034 Board computer is the new standard of AIC display lines.
This features the following display possibilities:

- Instantaneous fuel consumption
- Average fuel consumption (3 decimals)
- Cumulated fuel consumption
- Travel time
- Travel speed average
- Distance travelled
- Etc.

2 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 now collected and recorded into a integrated data logger , for up to months.

Application

- Medium and large trucks, buses, building machines, essentially for 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 or fleet management.**
- **At least 10% of fuel economy, through a consistent driver control system.**
- Reliable display protected by USB key safe software
- Data easily retrievable via same safe USB key
- DIN rack mounting possibility
- Robust housing for shock protection

CE certified
EMC Test according
to EN 52121-3-2:2006

Automative Information & Control Systems AG

Measuring Systems

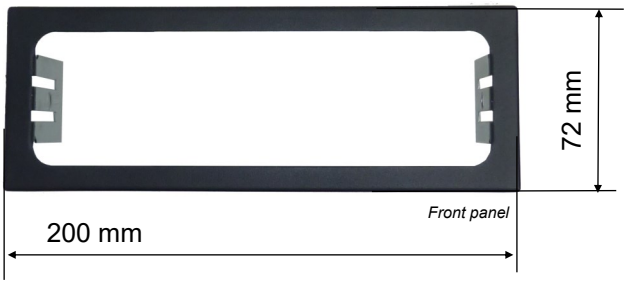
A complete measuring systems consist of :

- BC 3034 Board Computer
- AIC USB Key
- AFMS Software (needed with optional data logging function)
- Fuel oil meter
- cables for electrical connection

Board Computer
BC 3034 + Black Box
incl. 1.5m signal cable

USB Flash drive AIC

Steel mounting frame DIN rack kit

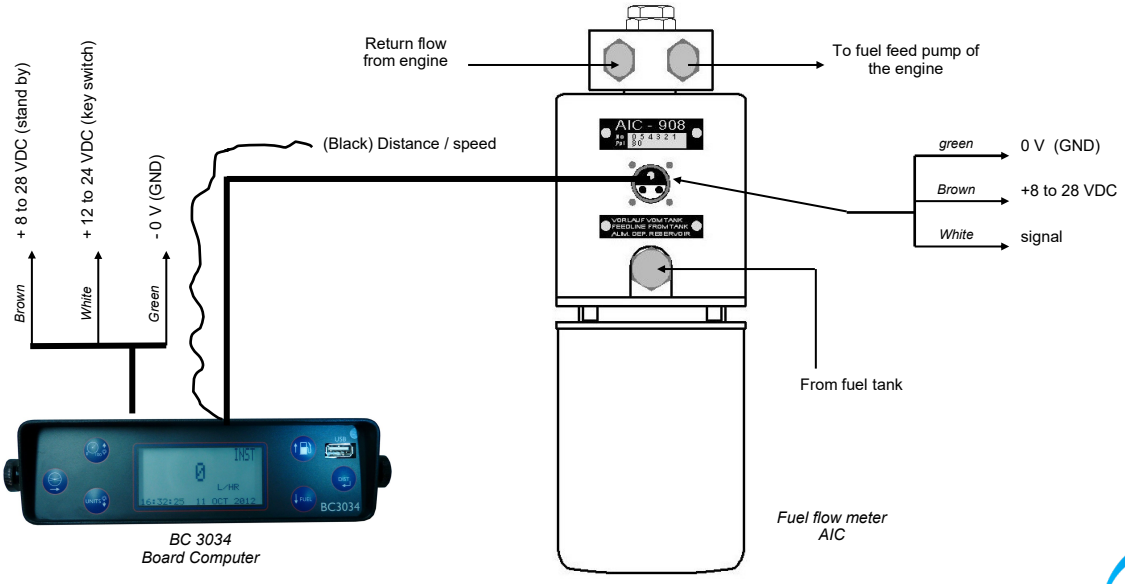


Front panel

De-install keys

DIN Rack Kit complete

Typical Installation



BC 3034
Board Computer

Fuel flow meter
AIC

Automotive Information
& Control Systems AG

Technical data

AIC BC 3034 Board Computer

General

Material	2 mm Steel casing, coated, paint black
Dimensions BC 3034 (incl. bracket and tightening wheels) BC 3034 (for DIN rack mount) DIN rack (dash board frame) DIN rack (front panel)	 210 x 63 x 80 mm 176 x 50 x 80 mm 177 x 51 x 50 mm 200 x 72 x 50 mm
Connexion cable (BC3034 - Black box) Black box	Approx. 1.5 m Included
Certification	EMC certified according to EN 52121-3-2:2006 (requires specific options, please contact AIC for pricing)

Power

Current consumption

Supply voltage		11 - 28 VDC
Stand-by With back light Current consumption with sensor Sensor voltage supply	 max. U out I max.	40 mA 50 mA 100 mA 9 VDC 40 mA

Input - Output

Distance speed pulse input Back light, main contact on		
Possible range Input tension Input current Frequency	ppKm U low U high f max.	100 - 30000 < 1.0 V > 5.0 V Approx. 2 mA > 2 kHz (max. speed displayed 299.9 km/h)
Fuel speed pulse input Back light, main contact on)		
Possible range Input tension Input current Frequency (50% duty cycle)	ppl U low U high f max.	30 - 9999 < 1.5 V > 3.5 V Approx. 2 mA < 1 kHz

Data logger

Internal memory of BC 3034	
Max capacity	4 Mb about 6000 data raw • corresponding to 6000 start / stop (approx. 1 year data collection) • 6000 minutes (setting 1 minute logging) (100 hours or 4 days)
Memorisation principle	FIFO (first in / first out) (nb: after max. capacity has been reached the 1st data will be overwrite by the current one)

USB Flash Memory

Capacity	4 Gb
Protection	Yes, via software keys installed on USB key
Multiple data file storage	Yes, up to 1000 vehicles to be stored on 1 single USB key (each of BC3034 will be stored according to their Serial No.)

RTC

Real Time Clock	yes
Battery powered	Yes
Life expectancy	6 years from selling date (please check your invoice date)

NB:
To retrieve the data from the USB key, you will have to use the Advanced Fuel Monitoring System (AFMS), please contact AIC SYSTEMS AG.

Ordering structure

Display

Model Type	Designation	Order code
BC 3034	Board Computer incl. mounting bracket, programming USB key, Black Box	s3034.00
	Additional USB key	s3034.USB
	Data logger storage activation code (for USB key)	s3034.ADS
	DIN rack mounting kit	s3034.DIN

Accessories

Power supply cable, 2,5 m	5502.00
Double connection box	s1605.00
Double connection box, fuel signal powered 10 VDC (12 to 24 VDC power supply)	s1605.24
50% duty cycle signal converter	2022.15
Advanced Fuel Monitoring System (AFMS)	sAFMS.00
Signal cable, for EMC certified application	Please contact AIC

Spare parts

Black Box	S3000.BB

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