

AIC - BC2022 ONBOARD COMPUTER



Power supply: 11 to 30 VDC

Memory and display capacity for cumulated values up to 99'999.9 Litres (Gallons) Kilometres (Miles).
Readout of *instantaneous- and average fuel consumption* as well as *speed and average speed*.
Readout of *driving- and operating-times*.

Two separate totalizer for each function. One totalizer (*trip totalizer*) can be reset by the driver himself. The second (*permanent totalizer*) can not be reset without a special programming-plug.

Total of 11 functions: (5 permanent and 6 auxiliary functions).

After activating one of the *auxiliary* functions, the display automatically reverts after 15 sec. to the last *permanent function* selected before.

Permanent functions

- INSTANTANEOUS CONSUMPTION
- AVERAGE CONSUMPTION (3 decimals)
- CUMULATED CONSUMPTION
- TRAVEL SPEED
- DISTANCE TRAVELLED

Auxiliary functions:

- AVERAGE SPEED
- CUMULATED FUEL CONSUMPTION DURING STATIONARY SERVICE
- DRIVING TIME
- OPERATING TIME
- SPEED WARNING

The AIC-BC 2022 onboard-computer is suitable for use in all countries in which *metric, imperial or US-*measures standards are used. The measurement standard can be changed very easy on the computer installed into the vehicle for any of following standards:

- METRIC standard: litres — km — litres/100 km — litres/hour
- US standard: US gallons — miles — miles/US gal. — US gal./hour
- BRITISH standard: Imp. gallons — miles — miles/Imp. gal. — Imp. gal./hour

The computer is based on latest SMD and EPROM technology.

All stored data including computer calibration are maintained (without buffer-battery) in the event of an electric power failure or if the computer is disconnected.

All TRUCK-MANUFACTURERS (for vehicle-tests), the most efficient DRIVING-SCHOOLS (for economic driving instruction) and more and more TRANSPORT and BUS-COMPANIES apply this high-tech instrument with AIC-fuel flow meters, and realise important fuel-economies up to 15 %.

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TECHNICAL DATA

Supply voltage: 11—30 VDC

Current consumption:

- Stand-by 40 mA
- with back lighting 60 mA
- Current consumption with sensor max. 100 mA
- Sensor supply voltage U out 9 V
I max. 40 mA

Input-Output:

1. Static inputs

Operating tension:

(back-lighting, main contact)

U low < 1.5 V

U high > 8.0 V

Operating current:

I < 5.0 mA

2. Distance- / Speed- pulse input

standard SW1= off pull down
option SW1= on pull-up

Possible range:

100 up to 29'999 pulse per Km.

Input tension:

U low < 1.0 V

U high > 5.0 V

Input current:

= 0.2 mA

Frequency

f max < 600 Hz

3. Fuel sensor pulses input

standard SW2= off pull down
option SW2= on pull-up

Possible range:

80 up to 9'999 pulse per 1 Lt. fuel-flow

Operating tension:

U low < 1.0 V

U high > 5.0 V

Input current:

< 0.2 mA

Frequency (50% duty-cycle)

f < 800 Hz

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