

Board Computer BC 3329 and Presse Ride application



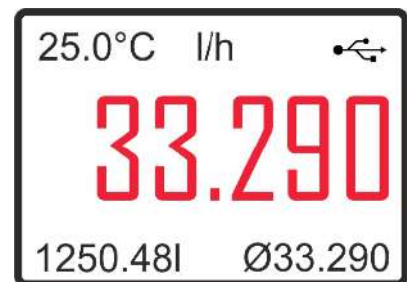
Optimise your press test and log the fuel consumption data in terms of volume, mass flow and CO2 emissions automatically in the simplest and most precise way. Press Test Ride application with intuitive handling and excellent reproducibility. Smart Collection of all data one-handed, so very useful in small cabins.

The Board Computer BC 3329 is the new AIC application specially dedicated to testing and suitable for:

- In-house testing
- Press comparison testing
- Sales tool for convincing your customers

Together with easy measuring points sequence implementation, BC 3329 Presse Ride contains the following feature and display possibilities:

- **0.5% accuracy in combination with a NEMO sensor**
- View instantaneous fuel consumption
- Fuel consumption (3 decimals)
- Fuel consumption accumulation
- Travel time
- Travel speed average, if speed sensor is connected
- Distance and lap travelled
- Trip hours
- Reading in metric or imperial units
- 20-28 VAC/DC
- Easy to use USB – logger
- Easy control with start, stop logs and reset functions
- All settings are stored and will not be lost in the event of power failure
- Languages: English, German, French, Spanish and Portuguese



AIC 7000 NEMO



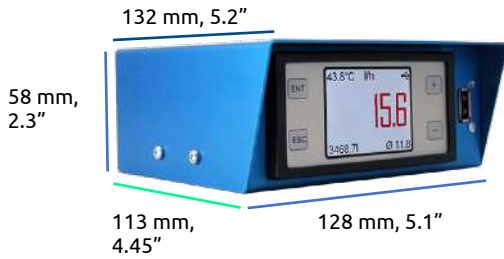
M12 cable 8282.10

Board Computer 3329



Mounting on a small footprint

1. Board Computer 3329



2. Press Ride application with remote trigger with 3 m cable to activate measuring point sequence



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).



The logging needs to stoped and unmount the USB stick, so all data is correctly written onto the USB stick.
 Now the USB stick can be removed and the csv files can be read in on the personal computer.

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

Selection Guide

	Press Ride	NEMO	LOG	Display
Automated DAQ for individual measuring points with a smart data collection one-handed in the cabin	X			
NEMO sensor and volume, mass and CO2 exhaustion	X	X		
Fluid temperature	X	X		
5 point calibration correction curve	X	X	X	
24/7 logging functionality	X	X	X	
Display access	X	X	X	X

Press Ride application

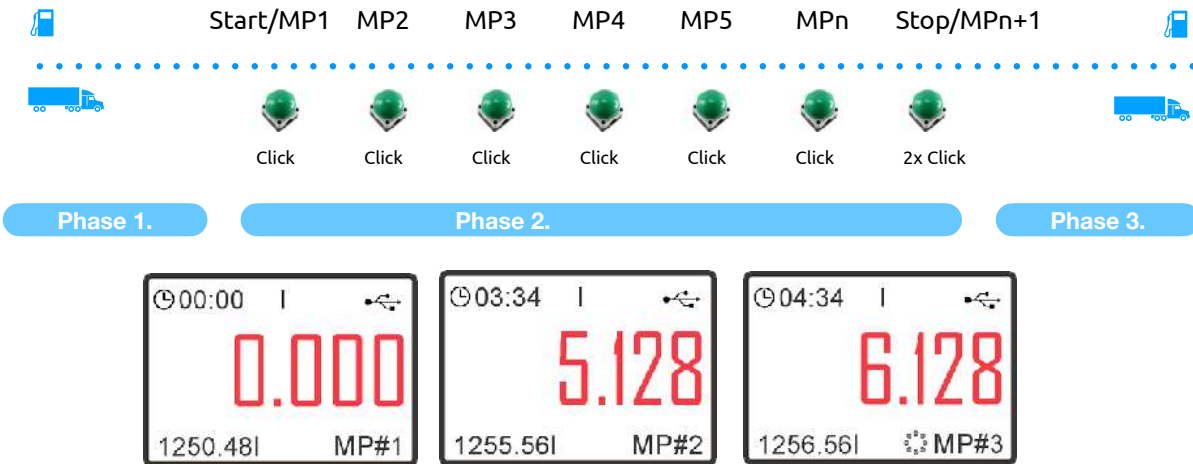
with intuitive handling and excellent reproducibility.

To start the sequence you push the palm button once and for every measuring point (MP) on your way you push the palm button once again. To stop the recording in phase 2 you just push twice the palm button. Phase 1, 2 and 3 are recorded and by stopping the logging you can retrieve the data of all three phases for further analysis.



The process of a press ride in three phases documented

MP = Measuring point



The data at the measuring point are frozen on the screen for 3 second for improved reading of the measuring values



20051200.CSV	Heute, 15:08	1 KB	CSV-Dokument
20051201.CSV	Heute, 15:09	3 KB	CSV-Dokument
20051202.CSV	Heute, 15:10	1 KB	CSV-Dokument

- Phase 1.
- Phase 2.
- Phase 3.

Type:	BC3329 PR												
Ser.#:	233												
FW Ver:	1.00.41												
PPL:	2000												
PPkm:	4020												
Density @ 15°C:	600.0 kg/m3												
CO2:	2.650 kg/l												
MP#:	Date:	Time:	PR Time:	PR Consumption:	PR Distance:	current Consumption:	Temperature:	total Consumption:	Ø Consumption:				
1	14.5.20	07:57:33	00:00:00	0.000 l	0.0 km	93.852 l/h	22.1 °C	600.550 l	48.756 l/h				
--	14.5.20	07:57:38	--:--:--	--:--	-- km	94.040 l/h	22.1 °C	600.839 l	48.977 l/h				
--	14.5.20	07:57:43	--:--:--	--:--	-- km	94.137 l/h	22.1 °C	600.970 l	49.198 l/h				
--	14.5.20	07:57:48	--:--:--	--:--	-- km	94.335 l/h	22.1 °C	601.102 l	49.198 l/h				
--	14.5.20	07:57:53	--:--:--	--:--	-- km	94.235 l/h	22.1 °C	601.233 l	49.198 l/h				
--	14.5.20	07:57:58	--:--:--	--:--	-- km	94.162 l/h	22.1 °C	601.364 l	49.420 l/h				
2	14.5.20	07:57:59	00:00:32	0.840 l	0.7 km	94.090 l/h	22.1 °C	601.390 l	49.420 l/h				
--	14.5.20	07:58:08	--:--:--	--:--	-- km	94.230 l/h	22.1 °C	601.626 l	49.642 l/h				
--	14.5.20	07:58:13	--:--:--	--:--	-- km	94.222 l/h	22.1 °C	601.758 l	49.864 l/h				
--	14.5.20	07:58:18	--:--:--	--:--	-- km	94.356 l/h	22.1 °C	601.888 l	49.864 l/h				
--	14.5.20	07:58:23	--:--:--	--:--	-- km	94.341 l/h	22.1 °C	602.020 l	50.086 l/h				
3	14.5.20	07:58:24	00:00:58	1.509 l	1.2 km	94.417 l/h	22.1 °C	602.059 l	50.086 l/h				

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	1.5 mm coated aluminum	
Maximum humidity:	95%, non-condensing	
Certification	EMC certified according to EN 52121-3-2:2006	
Supply voltage	20 to 28 VAC/DC Optimal 20 to 253 VAC/DC	
Power supply load:	4.5W to 7.0W at 230VAC	
Input	Distance speed pulse input	NPN open collector
	Possible range Input tension Input current Frequency	ppKm U low U high f max.
		100 - 30000 < 0.5 V > 3.5 V < 1 mA > 2.5 kHz (max. speed displayed 299.9 km/h)
Input	Fuel pulse input	NPN open collector
	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
Language	Languages	English, German, French, Spanish, Portuguese
	CE-conformity:	Fulfilled
	Mounting terminals:	Plug-in screw terminals
	Weight:	About 210g
	Warranty:	1 year

BC 3329 Board Computer
USB Flash Memory



Do NOT remove USB memory
 or pls check format

Capacity	up to 16 GB
Protection	Data will not be overwritten unless USB drive has reached its capacity.
Multiple data file storage	Logger function, programmable log-term (sequence 1-7200 sec). Use only FAT32 formatted, empty quality USB flash drives
Memorisation principle	Logging starts as soon as a USB is inserted
File size	Log cycle 1 sec the daily file size is appr. 3.5 MB

Real Time Clock

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

All informations are subject to change.



www.flowmeter-aic.com

AIC SYSTEMS AG
 Ringstrasse 9
 4123 Allschwil
Switzerland
info@flowmeter-aic.com