“DAD“
(personal Digital Alcohol Detector)

The personal ***DAD*** is useful for everybody, during business meals, meetings, sport events, wine tasting or a birthday party, because this product analysis’s your exhaled air and displays the result on an LCD-Display in, a for that moment valid breath alcohol concentration, measured in **‰ BAC** (blood alcohol concentrate) **„PROMILLE“**. ***DAD*** reminds the user of the danger of drinking and motoring in combination with alcohol. Consuming two glasses of wine during a dinner can influence your drivability and in case of a police roadside breathe test penalties like a fine or imprisonment or even loosing your licence can be the result.

As of now available a payable personal breath alcohol detector, it makes the dangers of drinking visible. ***DAD*** uses an in this industry approved gassensor, similar to the breath alcohol testers used by the police during the roadside breath tests.

Characteristics:

- ***DAD*** displays the breath alcohol concentration from 0,00 till 2,55 ‰ (in steps of 0,01) with a very high measurement accuracy.
- ***DAD*** has a timer function at his disposal which is adjustable between 1 minute and 9 hour and 59 minutes.
- ***DAD*** uses the same technology as the measurement instruments that are used during the police roadside breath tests.
- ***DAD*** requisite 2 normal usable and favourable AAA 1,5 V Batteries (being supplied at moment of purchase, no warranty on the lifetime of these batteries).

The one, who uses ***DAD*** and sticks to the user manual content, will not participate in traffic without notice with a lot of dangerous alcohol concentration in his blood and at the same time protects other traffic-participants for possible unpleasant consequences.

NEW!

As of now with ‰ PROMILLE - Display!

Users Manual

“iCC 2004-D-DUC“ Digital Alcohol Detector (DAD)

DAD uses a gas detection sensor that has proven itself in the industry to measure the alcohol concentration in the exhaled air. This technique is further developed and delivers precise measurement. To perform this breath analysis successfully you have to read this manual carefully.

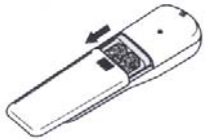
1.) Introduction:

- Start using ***DAD*** ca. 30 minutes after your final alcohol consumption, and if possible for smokers requisites. The tested breath alcohol concentration is not influenced by doing this by alcohol residues and/or tobacco smoke coming out of the mouth-cavity. The use of medicine, sewing gum or equal product can influence the result of the measurement.
- Never blow tobacco smoke or any other aerial gasses through the mouthpiece, because the internal gassensor is highly sensitive and can get out of sync by doing this.
- When no alcohol concentration is detected the display will show 0,00 ‰ BAC.
- Be aware that ***DAD*** displays only the breath alcohol concentration during the measurement taking place at that very moment, it takes normally one hour before the maximum alcohol level is present in the blood.

  Every human being reacts differently on the usage of alcohol. It is possible that, although the measured value is still within legal limits, the user not really is capable exercising his driveability skills.

2.) First time usage:

Place the supplied batteries (2 pieces type: AAA 1,5 V) in the battery holder of the equipment. **Be aware! the + and the – pool are visualised in the housing!**



3.) Warm-up time:

The gassensor has the need for a warm-up period before it is fully operational. After you press the “**on**“ button a beep sound will be heard. At the same time the text “**CAL**” will be visible on the display. The sensor will be heated and activated. This heating phase takes about 15 seconds the first time, when used repeatedly it than takes about 7 seconds. The countdown of this time in seconds is constantly visible on the display.

4.) Execute a breath test:

Keep ***DAD*** (directly after you pushed the “**on”** button and the seconds count down to zero) close to your lips and wait for a sound (beep) signal. When you hear this beep start exhaling slowly but constantly into the specially designed grooves at the front of the housing. Keep exhaling until you hear a second beep (this takes about 5 seconds). Direct mouth contact with the equipment is not needed and prevents the transfer of infections if this product is being used by more than one person. Make sure that no fluid enters the inside of the product or gets into the gassensor; this may lead to a possible defective product.

Exhale with ease

5.) Reading the display:

Directly after a successful measurement the result will be visible in the display in ‰ **Promille BAC** (blood alcohol concentration). This result will be visible for a couple of seconds' after which it switches itself automatically off. To perform new breath measures please press the "**on**" button.

6.) Repeat measures:

After *DAD* is used for the first time during a session it only needs about 7 seconds to be ready for a new warm-up phase.

Once more be aware that the gassensor is kept free of moisture (Like: standing in a cold environment and than exhaling into the product). It may result in inaccurate measurement or that the sensor gets damaged. To clean the gassensor please move the product a couple of times to and from to get the moisture out so the sensor will dry and gets cleaned.

7.) Timer function:

Next to the „**on**" button you see another three buttons, these buttons are to used for the built-in timer function. With these buttons you can adjust or set the hours "**H**" and minutes "**M**" and then activate the timer function by pressing the "**start/stop**" button. The timer is adjustable from 1 minute till 9 hours and 59 minutes. You can for instance set the timer for 30 minutes after your last alcohol consumption so that you can perform a new measurement when the alarm gets off with an acoustic signal. These three buttons are only to be used for the timer function and not for the breath measurement.

After pressing one of these three buttons the display shows **0:00** now you can adjust the time by pressing repeatedly the "**H**" hours and/or "**M**" minute's buttons, this way to set your own time. When you want to set the timer to 0 push the "**H**" and "**M**" buttons simultaneously, in the way you switch off ***DAD***. Every time when you push a button you will hear a short sound telling you it accepted your setup. By pushing the "**start/stop**" button you activate the count down, by pushing again it stops but can be continued by pushing the button again. Is the set time finished that you will hear a short repeating signal that continues till you press the "**start/stop**" button.

8.) Cleaning the gassensor:

In case the product does not displays the right value the next day (check this by exhaling being sober) than the gassensor needs to be cleaned. By pushing on the "**On**" button you activate the measure cycles, during this cycles and the warm-up phase you move the product lightly left and right is such a way that it gets clean air through its grooves.

Energy consumption

When used normally the lifetime of a full battery set may last ca. 200-300 measurements. When you see a battery sign on the left bottom side of the display than the battery is almost empty, Attention! When you change batteries look closely at the polarity of the batteries when you change them, see also point 2 of this user manual. Be aware that the lifetime of the battery will diminish rapidly. When you use the timer function regularly

Removal of old batteries: Degradation of batteries may harm your health. Do not trow them in the waste bin, but leave them at a chemical disposal point or throw them in a special battery disposal box in the various stores.

Important!:

The ***DAD*** displays the outcome in ‰ BAC after a measurement; in case of wrong or manipulated usage this value may be higher or lower than displayed! The "iCC2001-D-DUC" or ***DAD*** has no official impact as a measurement tool in court, despite above measured outcome in ‰ BAC. There can be no rights derived from all remarks about the mentioned breath alcohol values!

Overview of drink and drive in ‰ legal limits and punishments in Europe

	Limit in ‰	Disqualification (maximum)	Imprisonment (maximum)
Belgium	0.50	8 days - 5 years	15 days - 3 months
Denmark	0.50	24 - 30 months	
Germany	0.50	6 months - 5 years	5 years
Finland	0.50	3 months - 2 years	tot 3 months
France	0.50	1 month - 1 year	2 months tot 2 years
Greece	0.50	3 - 6 months	1 - 12 months
Great Brittan	0.80	1 year - 18 months	6 months
Ireland	0.80	1 year	6 months
Italy	0.50	15 days - 1 year	1 - 6 months
Luxembourg	0.80	3 months - 15 years	1 day - 3 years
Netherlands	0.50	6 months - 10 years	3 months - 3 years
Norway	0.20	6 months – for life	1 month – 2 years
Austria	0.50	1 month	till 3 months / 3 years
Portugal	0.50	15 days - 1 year	
Spain	0.50*	3 months - 5 years	1 - 6 months
Sweden	0.20	3 months - 3 years	1 month - 2 years
Switzerland	0.50	1 month – 10 years	

* For truck- and bus drivers it is 0.30

All displayed breath alcohol values are snapshots of public data, no rights can be called upon!

Technical data:

Powered by:	2 AAA 1,5 V Batteries
Operating temperature:	0° C ~ 35 ° C
Storage temperature:	-10°C ~ 70° C
Dimensions:	ca. 95 x 35 x 16 mm
Weight (without Batteries):	ca. 25,5 g
Weight (incl. Batteries):	ca. 47 g
Measuring method:	Halfgeleider-Gassensor
Visualisation:	LCD-Display

Warranty: 24 months from the purchase date. No warranty on the lifetime of the supplied batteries or damage caused by moisture!

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