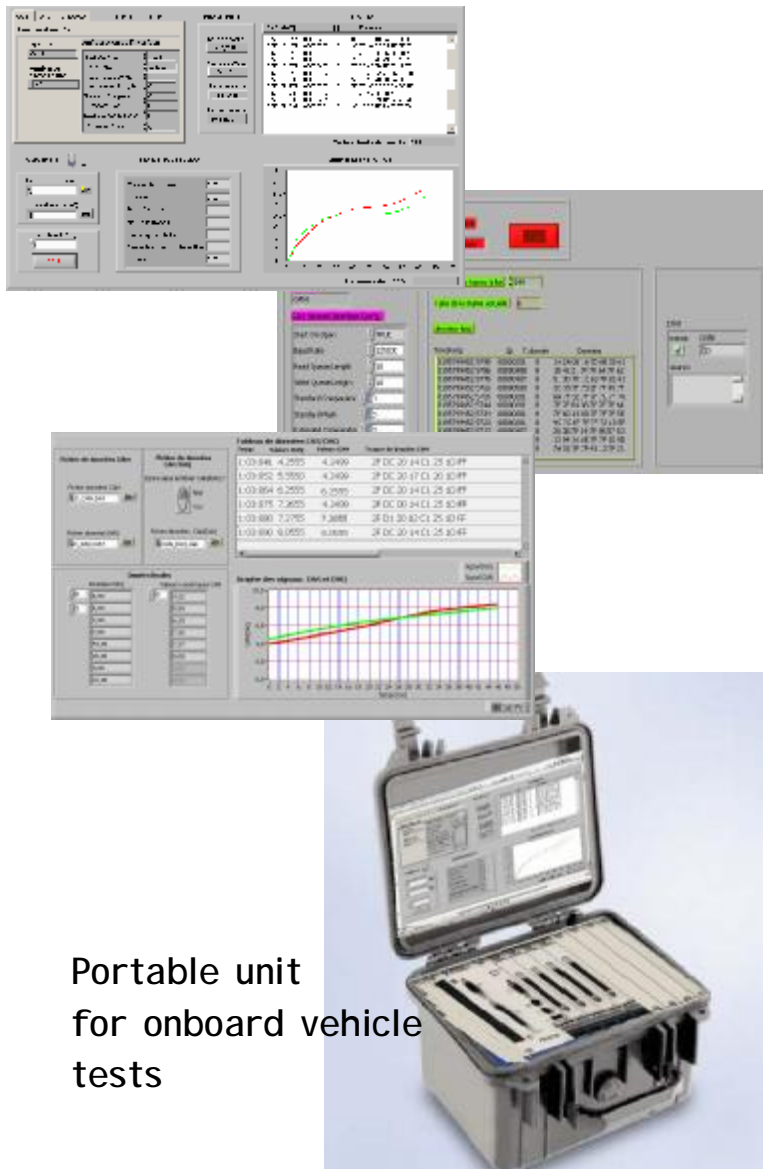# AUTODIAG *PLUS*

AOiP
la mesure certifiée

THE SAME DEVICE FOR :

**BusCan + synchronised acquisition card
+ analog and digital signal generation**

Preliminary data sheet

APPLICATIONS

- o Monitoring BusCAN netware
- o BusCAN frame analysis
- o Synchronised analysis of probe signal / actuators and BusCan frames
- o Signal simulation (BusCan, analog and digital)
- o Diagnostics

Portable unit
for onboard vehicle
tests

ü BusCAN
- o Low speed Can
- o High speed Can
- o Fault tolerant Can
- o Single wire Can
- o 2 channels per card
- o 6 channels extension (option)

ü CONDITIONNING (option)
- o Thermocouple J or K (8 to 32 channels)
- o Others sensors

ü ACQUISITION
- o From 1 to 16 channels differential
- o 16 bits
- o Ranges: +/- 0,1 V to +/- 10 V
- o 250 kS/s ; 1,25 MS/s (option)
- o 32 digital Input / Output

ü SIGNAL GENERATION
- o 2 channels +/- 5 V ; +/-10V /4 opt.
- o 16 bits
- o 833kS/s or 2,8MS/s (option)
- o CAN H or L

ü HARDWARE / SOFTWARE
- o Casing with connecting terminal of I/O ; dimensions 486*392*192 (mm)
- o « Windows » interface
- o Ethernet, USB compatible
- o Radio link (option)
- o Result file : ASAM standard (*development in process*)
- o Save on CD R
- o Screen : TFT 15′
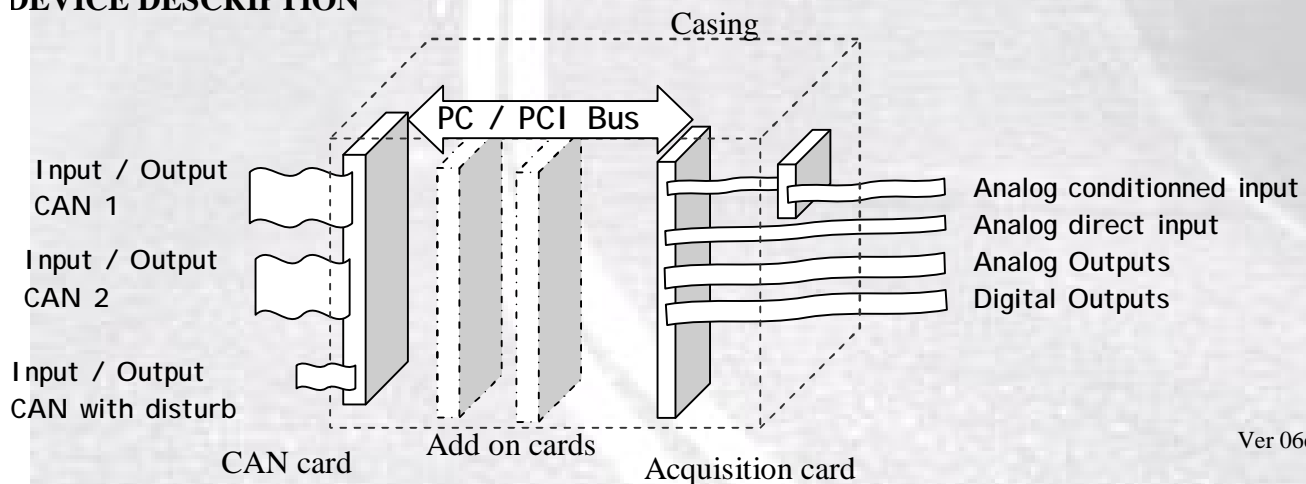- o Power supply : 12 / 15 V DC
- o Laboratory model : 230Vac

AUTO*DIAG* PLUS

A DIAGNOSTIC TOOL DEDICATED TO BUSCAN AND ANALOG SIGNALS

The program associated with the acquisition card and the 2 channels BusCan card allows to :

- set the inputs and the outputs of the CAN et ANALOG cards.
- synchronise CAN and ANALOG acquisitions.
- synchronised acquisition of CAN data for two channels and analog for maximum 16 channels
- display the frames and the analog signal
- proceed statistical computation of the number received frames , number of frames/s, number of failures, number of false frames, etc.…
- Record CAN et ANALOG data in separated files.
- Read CAN and ANALOG data files recorded during acquisition phase.
- analyse CAN and ANALOG data coming from a selected probe
- record the synchronised data (CAN and ANALOG) of probes in a single file
- record the configuration file for the different probes thanks to the dedicated MMI
- convert CAN frames and ANALOG data into engineering units
- display in real time CAN and ANALOG signals on the same graph
- arbitrary wave generation or sinus, sawtooth, pulse, etc.., digital words as CAN frames
- disturb a CAN communication (wire linked to +, grounded, open circuit)

DEVICE DESCRIPTION

Casing

PC / PCI Bus

Input / Output CAN 1

Input / Output CAN 2

Input / Output CAN with disturb

CAN card

Add on cards

Acquisition card

Analog conditionned input
Analog direct input
Analog Outputs
Digital Outputs

Ver 06e. 2005