DUETTO engineering
STEFAN ROMAN MÜLLER

MEASURING SOLUTIONS

VarioVIEW7

Intelligent 7´´-Touch display

Intelligent Interaction between driver and measurement system

Modular design– optional interfaces on demand

2 CAN-FD, OBD2, WWH-OBD, 3 USB Typ A

Gigabit Ethernet

2 Digital In, 3 Analog In

Optional 20Hz GPS Receiver

Optional Threshold Monitoring/Memory Function

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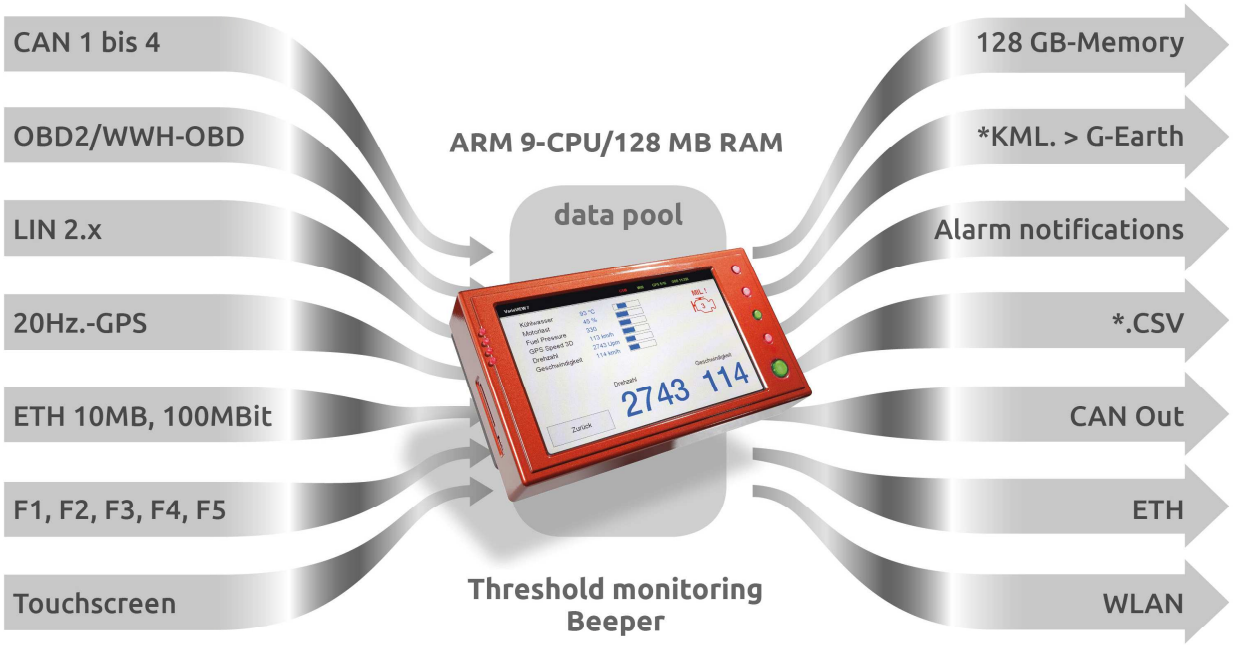
The *VarioVIEW7* has a functional design and is suitable even for extreme operations in the summer and winter test has resulted from consultation with users of mobile automotive measurement technology. The interface equipment and instrument version can be selected according to the application. Particularly noteworthy is the operational temperature range from –20°C up to +70°C. (Option!)

Intelligent communications interface

With the 7”- wide screen (display 155x94 mm), a user has a clear interface to their measurement system. In addition to the freely configurable graphic display elements via PC software, there are 5 similarly programmable hardware function keys with switchable signal colours. As soon as the VarioVIEW7 recognises that a given limit value is exceeded, the driver can be informed via an integrated, audible alarm or a colour change of certain graphic elements. This allows for warning of a channel exceeding specified limits even during situations where a driver cannot look at the screen.

Flexible interface equipment

The communication flexibility offered by the VarioPRO has been incorporated into the VarioVIEW7. The display can be specified according to the application, with a choice of: 2 or 4 CAN-FD-interfaces (galvanically isolated), OBD2, Ethernet, GPS, 2 DigIn, 3 AnalogIn, USB.



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Online calculation

Thanks to the powerful processor used by the VarioVIEW7, message contents from all the signal inputs can be calculated and displayed at the same time. Common applications are: online calculation of the fuel consumption, distance covered, etc.

Brightness/contrast

With two reference points, the automatic brightness control covers a range of 800 cd/cm² . This means the driver is guaranteed a glare-free yet bright display even when ambient conditions vary.

Option: triggered memory function 128GB SDHC

The display unit can be optionally equipped with an exchangeable storage medium. Recording can be initiated by pressing a dedicated function key, by freely definable trigger conditions or when error memory records occur. For post-processing, data can be converted to the widely used CSV format.

Option: GPS

The VarioVIEW7 system can be equipped with an optional integrated GPS-receiver.

To improve positioning this supports (if locally available) correction methods according to EGNOS/WAAS.

The calculated channels include the geographic position, speed over ground, height, heading and other location-relevant information.

The information received by the GPS-receiver can also be shown on the display, converted into CAN-messages and output at the CAN-ports with user-configurable CAN-IDs.

The combination of up to 4 CAN-FD-interfaces (optional!), OBD2-signal converter and GPS-receiver in one compact unit considerably reduces the instrumentation time and cost required for common vehicle measurements. CAN-IDs, OBD-sensor values and GPS-information can be combined and output via one CAN-data stream.

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Specifications:

Display: 7” colour touch screen, 15:9 widescreen

Resolution: 800 x 480, 384 000 pixels

Colour depth: 18 bits (262 000 colours)

Brightness/contrast: up to 800 cd/m² / 500 : 1 black/white

Perspective: 70/60/70/70

Function keys: 5 x mechanical / colour change green > red / flashing function

Control LED: 4 multi-colour control LED with free assignment of functions

Supply voltage: +6 up to +42 volts DC

Interface standard: 3 x USB Typ A, 2 x CAN-FD, 2 x DigIn, 3 x AnalogIn 2048 ID via dbc-import, 1 x OBD2, Giganbit Ethernet

Alarm: clearly audible alarm with variable audio frequencies

Mechanical system: solid aluminium case, heat and UV resistant

Jacks: at the rear, lockable jacks for CAN, supply voltage, etc.

Dimensions/weight: 190 x 110 x 35 mm, approx. 600 gramms

System extensions / interface options:

Option 1: extended temperature range –20°C up to +70°C

Option 2: additionally 2 x CAN-FD, up to 2048 ID each via dbc-import

Option 3: 20Hz GPS

Option 4: MEM-SDHC, 128 GByte, memory function

Option 5: Threshold Monitoring

Option 6: Mount-Kit: suction cup holder with ball joint for window assembly

Option 7: vocal beeper with programmable variable sound frequencies

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