

INCA-TOUCH

Measuring and calibrating during test drives



At a glance

- Safe display and operation of INCA experiments during test drives
- Optimized for touchscreens
- Voice control of experiments and audio commentary on measurements both possible
- Automation of calibration procedures

Due to considerable safety risks, more and more companies are prohibiting the use of laptops during test drives. Engineers nevertheless must take measurements to validate and calibrate the behavior of individual vehicle functions. For this purpose, they can use the

INCA-TOUCH interface to operate ETAS INCA via touchscreen or with voice commands.

Touch operation

Users can execute all important INCA measurement and calibration functions using INCA-TOUCH. Measurement variables and characteristics of INCA experiments can be assigned to specific virtual instruments – optimized especially for touchscreens – in order to display measurement values and to set characteristic values. Integrated into the INCA experiment, the latest version of INCA-TOUCH consists of one window for configuring the INCA-TOUCH interface and a second window for entering commands on the touch-sensitive screen. If a laptop is used as an INCA computer, then the input window can be shown on a different touchscreen. On a Windows tablet, the window can be displayed directly on its tablet display.



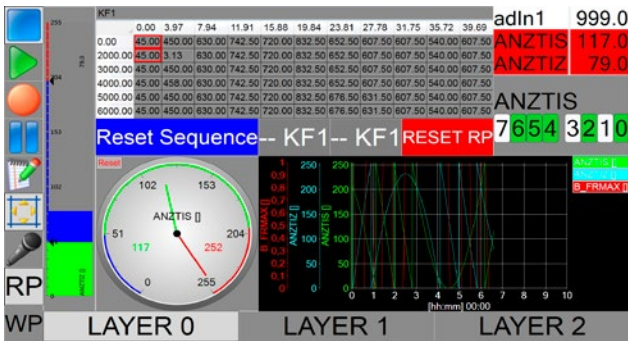


Figure 1: Example of an INCA-TOUCH input window

Key features

Secure, safe, and user-friendly

- Operation of the experiment, including start/stop/pause, recording of measurement data, start trigger, hardware initialization
- Display of the measurement data in various virtual display instruments such as oscilloscope, bar graph, table, bit view, map/curve, speedometer, and LED

- Structuring of onscreen content for switching among various sub-experiments by means of layers

Automated functions

- Definition of specific calibration steps; executed by touching a button
- Definition of calibration procedures with modifiable repetition intervals and corresponding dialog windows
- Switching between alternative experimental scenarios

Expansion of INCA features

- Voice-command operation for conducting experiments or calibrating characteristics
- Placement of markers while recording and the option to add spoken comments

INCA-TOUCH is field-tested at numerous customers.

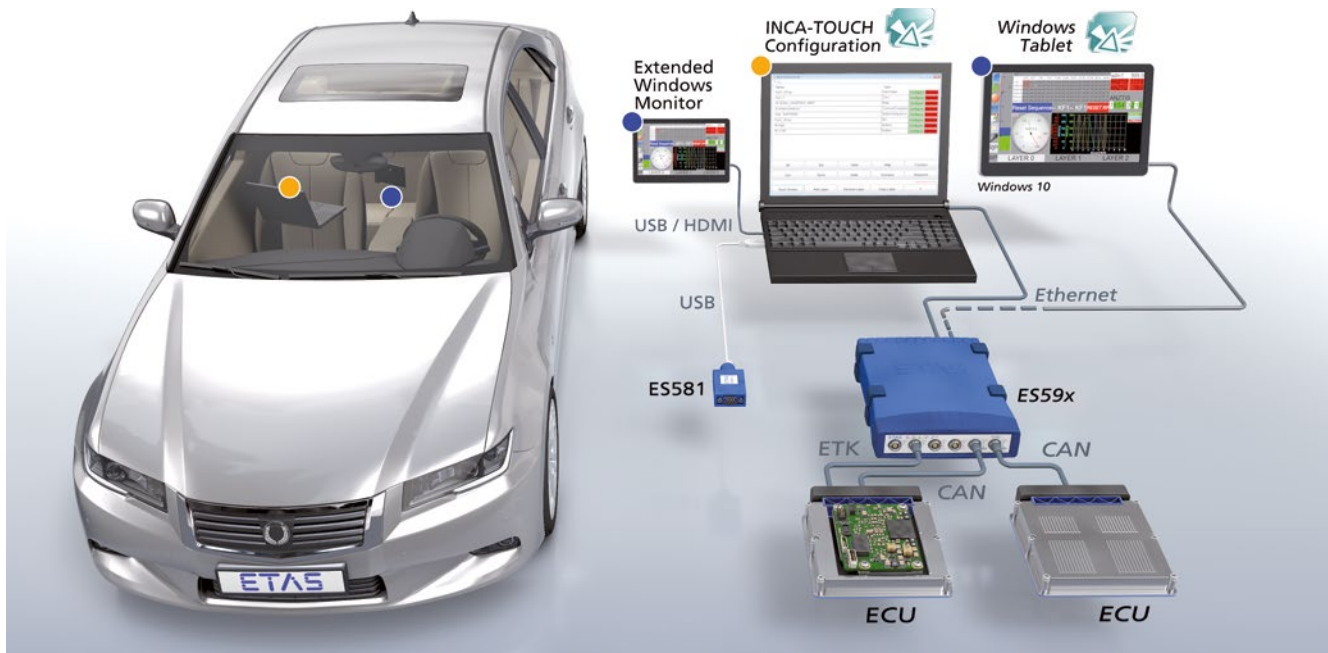


Figure 2: Using INCA-TOUCH on a touchscreen or Windows tablet. Blue dots: Location of touchscreen or Windows tablet in the vehicle. Yellow dot: Location of the laptop (optional).



For more information about the INCA product family, please refer to www.etas.com/inca.
If you require further information, don't hesitate to contact your local ETAS representative.