

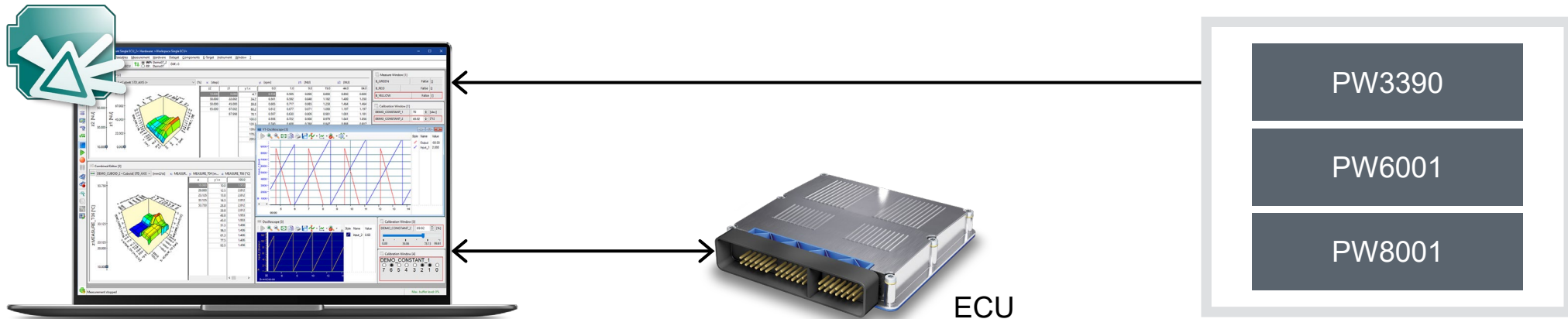
INCA-Hioki Power Analyzer Integration AddOn

Product Introduction

INCA-Hioki Power Analyzer Integration AddOn

Functional overview

- Integrate HIOKI Power Analyzer PW8001/PW6001/PW3390 to INCA as a measurement device
- The signals calculated by the high-precision measurement of the power analyzer are measured in a minimum of 1 ms period*
- External input values such as motor torque and speed are also recorded synchronously
- The Ethernet connection enables to combine with other ETAS measurement modules
- The range settings for the power analyzer can be specified from INCA

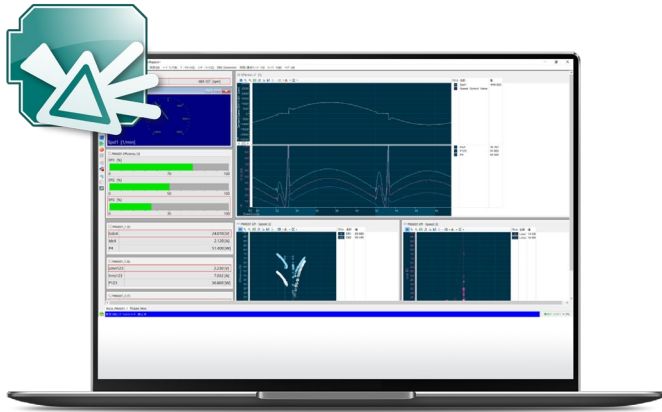


*Only in combination with PW8001. PW6001 has a minimum period of 10 ms and PW3390 has a minimum period of 50 ms.

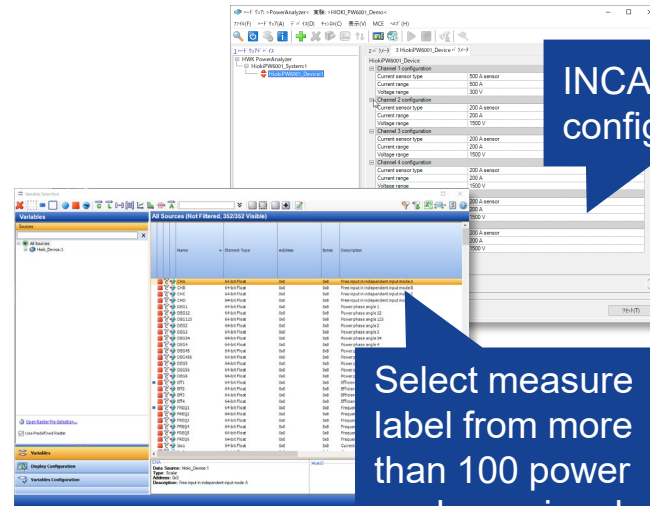
INCA-Hioki Power Analyzer Integration AddOn

Benefits of using add-ons

- Improve analysis efficiency by including the ECU control values, CAN communication and physical phenomena into a single measurement data
- Useful in cases where high precision and high accuracy measurement are required, such as WLTC tests and EV-related regulations
- Measurement data from the power analyzer can be viewed in rich GUI provided by INCA
- INCA's functionality such as trigger measurement is available

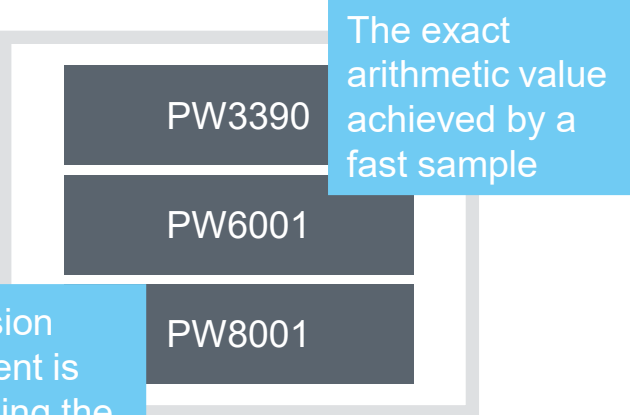


INCA's rich GUI



INCA device configuration

Select measure label from more than 100 power analyzer signals



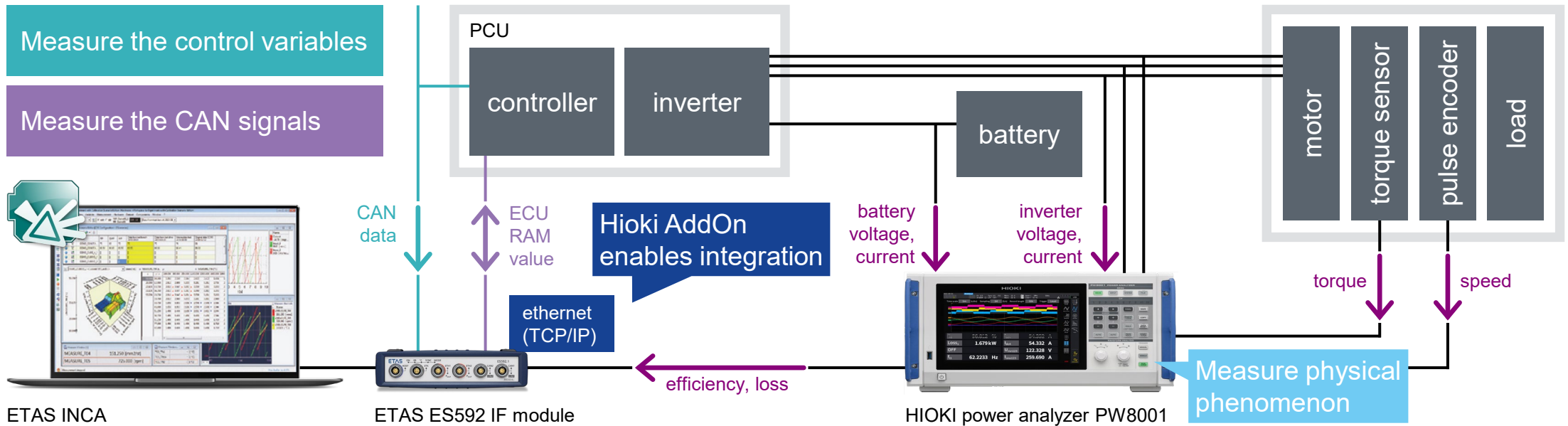
The exact arithmetic value achieved by a fast sample

High-precision measurement is possible using the Hioki genuine high-range probe

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Use case 1

- Simultaneous measurement for motor inverter control variables and physical phenomenon such as speed, torque, power and efficiency

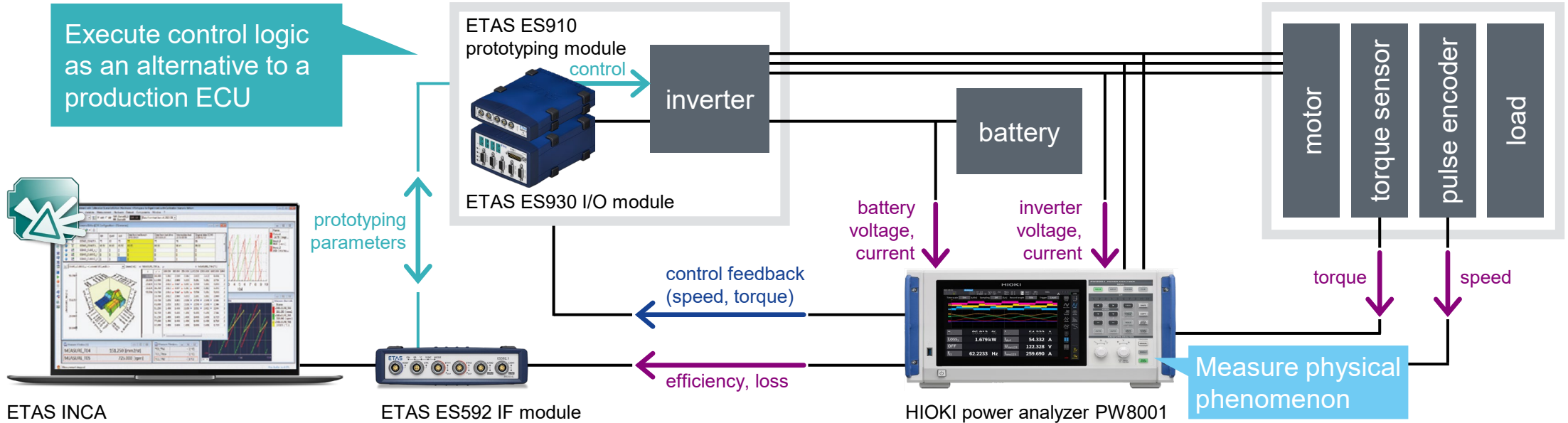


- The power analyzer can be connected to the ETAS network with simple cabling
- More than 100 power analyzer signals can be measured

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Use case 2

– Verification of the RCP motor control result

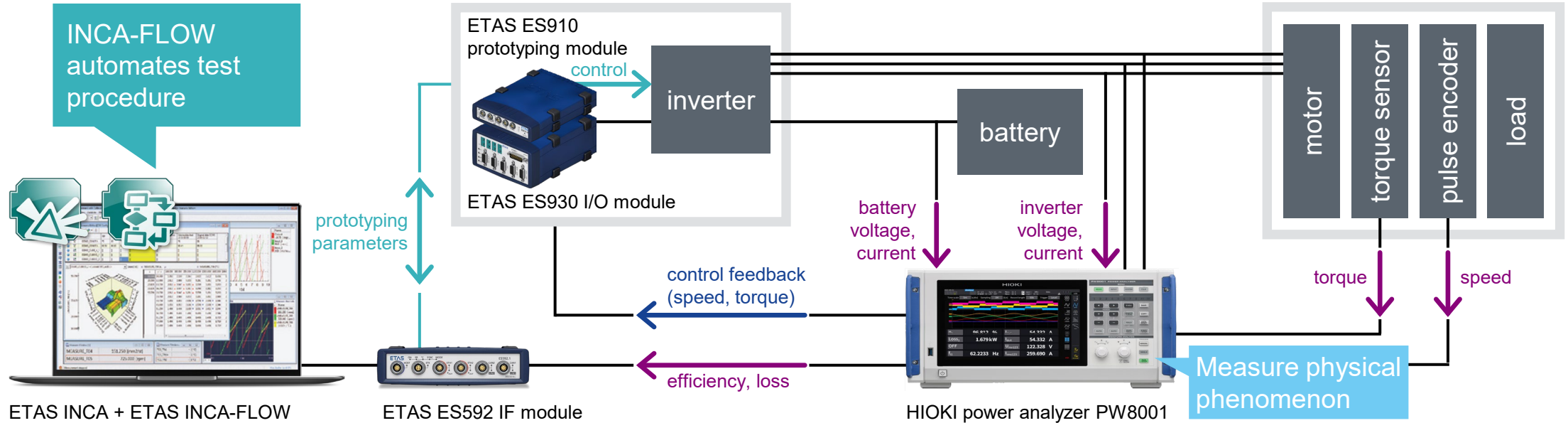


- Possible to build an environment to evaluate control logic without a production ECU
- Simultaneous measurement of the parameters of control logic and physical phenomenon in INCA

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Use case 3

– Test automation in the motor bench

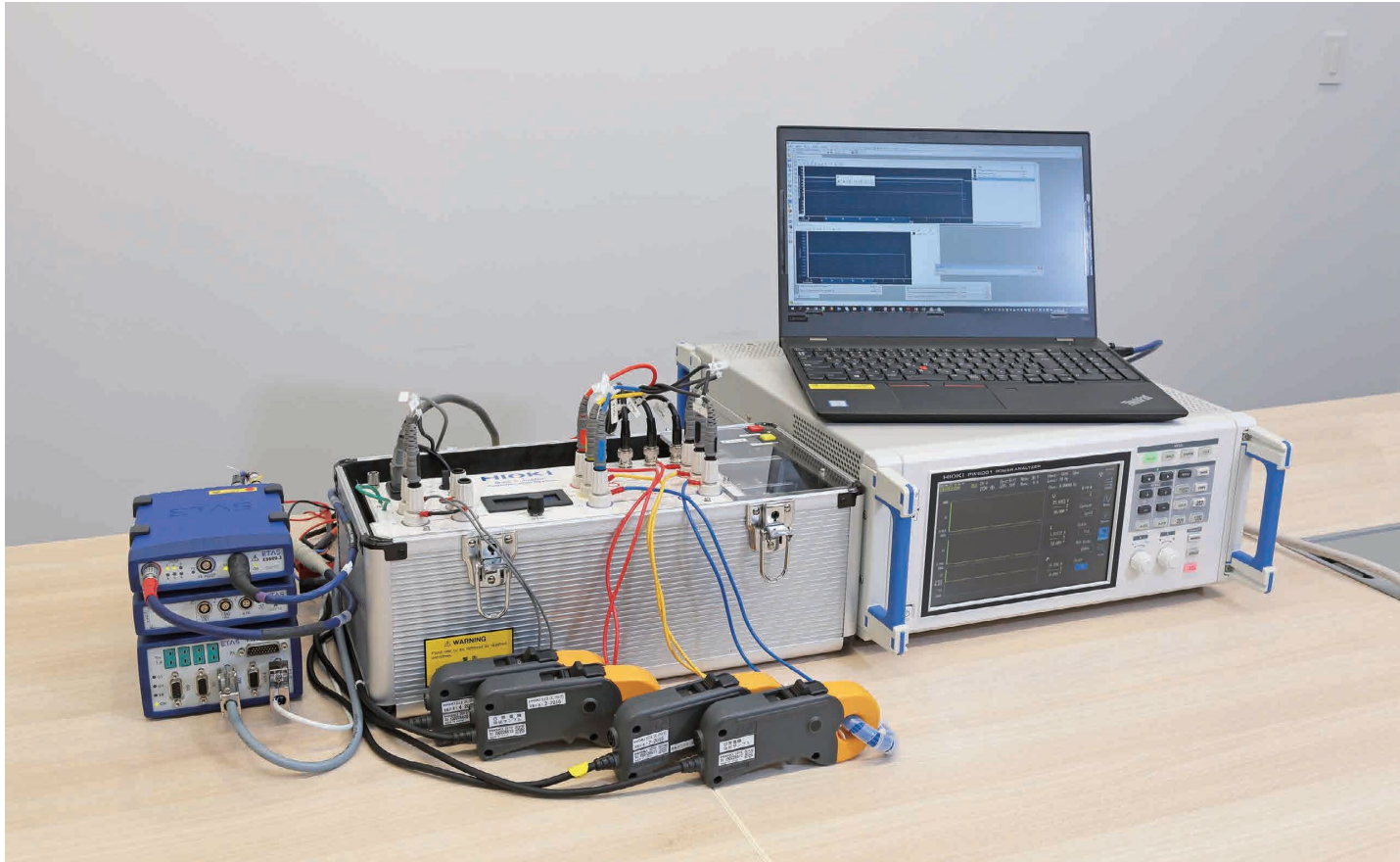


The Use of INCA-FLOW:

- Target speed input for the WLTP mode (reading data from Excel or other sheets)
- Automates INCA's operation processes such as measurement
- Automates the processes for changing parameters and etc

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The Demo kit published in “MotorFan illustrated” magazine



Thank you