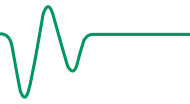


THE CHOICE OF ENGINEERS



hera[®]
Laborsysteme GmbH

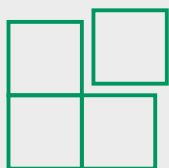
THE NEW IMOD

EXTRAORDINARILY MODULAR. CONSEQUENTLY FLEXIBLE.



The **DEVICE SERIES** for R&D, Service, Test and Education.

GENERATES SOLUTIONS IN ALL INSTANCES



MODULARITY

IMOD is an intelligent & modular device system centering around the Control-Unit (operation and reading). Up to 5 functional units in different performance categories can be modularly chosen and connected to the Control-Unit.



ERGONOMICS

The big touch screen of the Control-Unit enables a convenient operation and reading of all instruments within good reach and sight.



COMPACTNESS

The devices in latest technology enable to separate spacious Function-Units from the operating modules, thus the media channel can be kept quite small with even increasing the technical density.



CLEARITY

Well arranged workstations without any visible cables and reasonably separated heavy or spacious Funktion-Units.



REMOTE CONTROL

The Control-Unit is equipped with an USB - (front) and LAN Interface (rear), so an easy networks integration or remote controlled operation and observation of the devices is possible.

IT IS DIFFERENT AND IT IS BETTER ...

... it is able to simplify your day and yet its appearance is just delicate:
the intelligent & modular laboratory device series IMOD – it is developed for the
integration into electric workstations as used e.g in R&D, Service, Test and Education.
The IMOD consists of three separately located units:

- 1** the **Control-Unit** for the central operation
- 2** the completely housed **Function-Unit**
- 3** the **Output-Unit** with connectors

Different modules in various performance categories are available,
this keeps the fields of application quite flexible.



THE IMOD CONTROL-UNITS

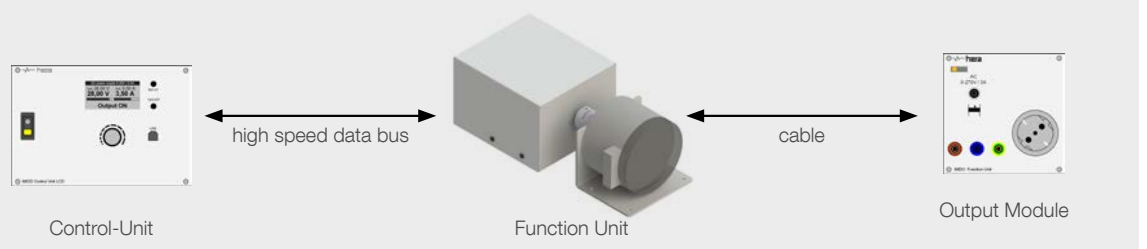
The IMOD responds to the users demands due to an intelligent connection between Control- and Function-Unit.

IMOD CONTROL-UNIT LCD

- Controller with internal bus for the complete control of one connected Function-Unit.
- Background illuminated LCD graphic display.
- Rotary switch with sensing button for direct and precise settings.
- 2 extra buttons for quick and intuitive operation.
- With USB – (front) and LAN Interface (rear).



One Control-Unit LCD per Function-Unit

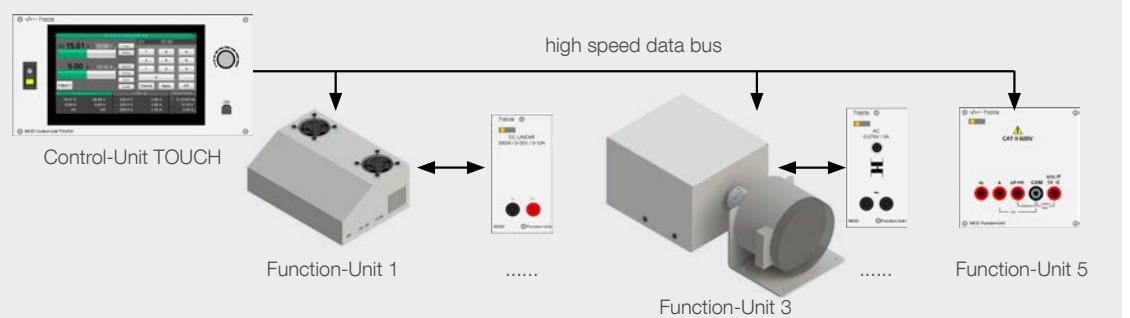


IMOD CONTROL-UNIT TOUCH

- Controller with integrated bus for the central control of max. 5 Function-Units.
- 7" TFT display with wide angle view.
- Precise capacitive multitouch operation.
- Rotation switch with sensing button for fast settings of the most common parameters.
- Touch control (sliding bar or key field) or rotary switch.
- Value readings as bar graph and big numerical values, data locking in graphical form.
- With USB – (front) and LAN Interface (rear).



One Control-Unit for max. 5 Function-Units



THE IMOD FUNCTION-UNITS

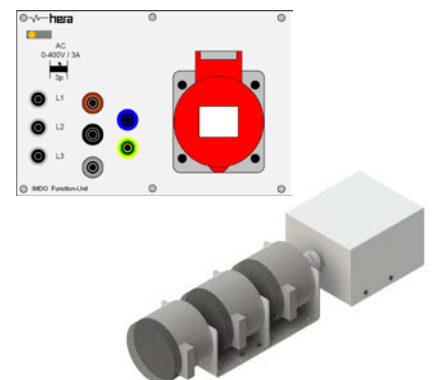
IMOD FUNCTION-UNIT LAB POWER SUPPLY

- Consisting of a housed functional unit, which is separately located in the cable tray or a suspended container.
- Output module with LED indication and 4mm safety jacks.
- Version 1: Linear Power Supply between 60W (0-30V/0-2A) and 600W (0-60V/0-10A) .
- Version 2: Switch Mode Power Supply Extended Range between 100W (0-42V/0-6A) and 320W (0-40V/0-20A).



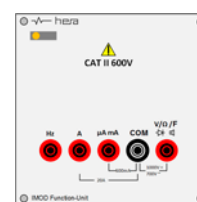
IMOD FUNCTION-UNIT AC SOURCES

- Either 1phase or 3phases, for floating or non-floating voltage.
- Consisting of a housed functional unit, which is separately located in the cable tray or a suspended container and an output module.
- The output module is equipped with different sockets and jacks.
- Motor-driven variac with intelligent motor control.
- TrueRMS converter (voltage and current) with 12bit resolution.



IMOD FUNCTION-UNIT MULTIMETER

- 5x 4mm safety jacks (Hz, A, μ A/mA, COM, V/Ohm/F/diode/continuity).
- Resolution: 4 $\frac{3}{4}$ digits (50.000 counts).
- Voltage DC: 10 μ V – 1000V and AC TrueRMS: 10 μ V – 700V.
- Current DC: 10nA – 20A and AC TrueRMS: 10nA – 20A.
- Resistance: up to 50M Ω .
- Frequency: 100 μ Hz – 50MHz.
- Capacity: up to 50mF.
- More functions: diodes test, continuity test.



IMOD FUNCTION-UNIT FUNCTION GENERATOR

- Basic functions: sine, triangle, square, saw tooth, pulse, DC voltage.
- Frequency range: 1mHz – 10MHz (sine), 10Hz – 1MHz (other signals).
- Arbitrary function: up to 4096 dots.
- More functions: PWM, TTL output.
- Amplitude: 30V_{ss} (up to 1MHz), max. 3V_{pp} at 10MHz.
- Duty cycle: 0,1% ... 99,9%.
- DC Offset: \pm 10V.
- Frequency and result counter: up to 100MHz.



THE NEW IMOD – IT IS DIFFERENT AND IT IS BETTER EXTRAORDINARILY MODULAR. CONSEQUENTLY FLEXIBLE.

WE ARE THERE FOR YOU!

If you have any questions especially to IMOD or our other products or services, please do not hesitate to contacting us.

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MORE INFORMATION TO IMOD:
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Representative

Systems for Electric**LAB** Electric**EDUCATION** Electric**WORKSHOP**

hera Laborsysteme GmbH

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