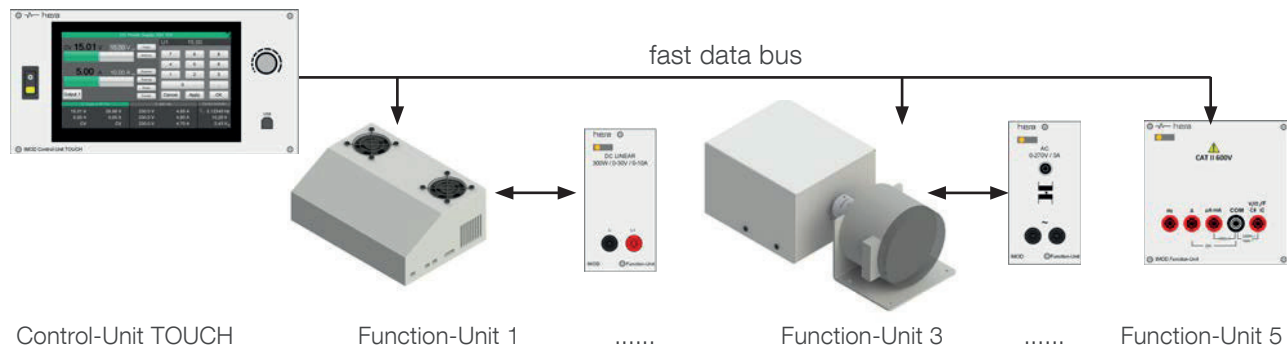


## EP/MP IMOD CONTROL-UNIT TOUCH

- Controller with internal bus for the central control of max. 5 Function-Units.
- Flush integrated 7" TFT display (800x480) with glass front and wide view angle.
- Highly precise capacitive multitouch screen.
- Rotary switch with pushbutton function for a fast and intuitive control of the most important parameters.
- Settings can be done with touch-slider, touch-keys or rotary switch.
- Value tendency indicated as bargraph, digital in a big numerical display and as graph with data logging function.
- Incl. front side USB - and rear side LAN interface.
- Illuminated 2poles switch for central on/off.
- With wire harness and couplers.



IMOD Control-Unit TOUCH	
630.000.100	1 EP
650.000.100	1,5 MP



## KP/EP/MP IMOD FUNCTION-UNIT: AC SOURCE 1PHASE

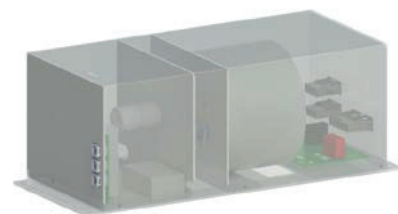
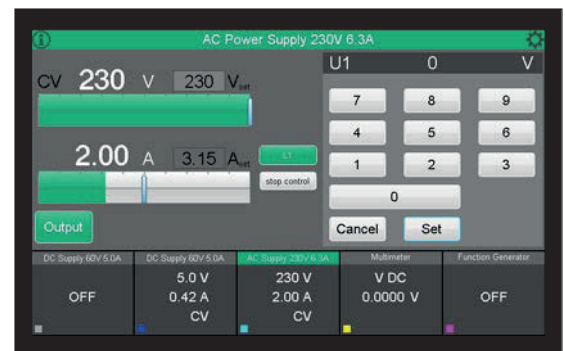
Consisting of KP/EP/MP module for bench rack integration and a completely housed Function-Unit, which can be located with respect to its dimensions in the instrument rack or in an underbench rack.

### Connecting-Unit equipped with:

- RGB-LED for status indication.
- Front side operated thermomagnetic output fuse.
- 4mm safety jacks.
- PE-socket or isolated socket for floating voltage.
- 2poles selector switch for floating output.
- Bridge rectifier for a pulsating DC voltage with 48% ripple.

### Housed Function-Unit:

- Motor driven variac with isolating transformer (floating type).
- Silent moving actuating motor with intelligent speed control for a minimum of set time and overshoot.
- 2x TrueRMS converter (voltage and current) with 12bit resolution.
- Internal bus for the communication with the Control-Unit.
- Precise voltage - and current settings.
- Set time: max 8s.
- Hysteresis:  $\pm U_{\max} / 153$ .



### IMOD Function-Unit: AC Source 1phase

6 S 2. A LL.LLL

#### S System A Output

1	KP vertical.	1	AC: Safety Jacks
2	KP horizontal.	2	AC: PE-Socket or Isolated Socket
3	EP	3	AC: Jacks and PE or Isolated
5	MP	4	AC/DC: Jacks and Bridge Rectifier
		5	AC/DC: Jacks, Bridge Rectifier and DC Reading

#### LL.LLL Type

23.010	0-230V / 1A	03.045	0-30V / 4A floating
23.030	0-230V / 3A	06.035	0-60V / 3A floating
23.060	0-230V / 6A	27.015	0-270V / 1A floating
23.100	0-230V / 10A	27.035	0-270V / 3A floating
23.140	0-230V / 14A	27.055	0-270V / 5A floating
		27.105	0-270V / 10A floating
		27.125	0-270V / 12A floating
		30.105	0-300V / 10A floating
		27.165	0-270V / 16A floating
		30.165	0-300V / 16A floating

Primary L1-L2 3phase supply required!

xxx.xxx.x82

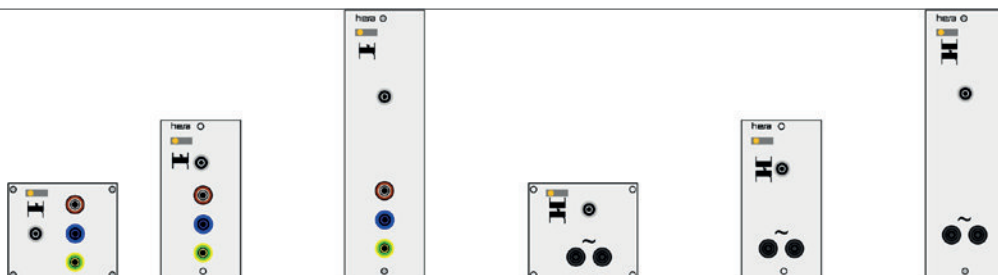
120V Versions

### NON Floating

### Floating

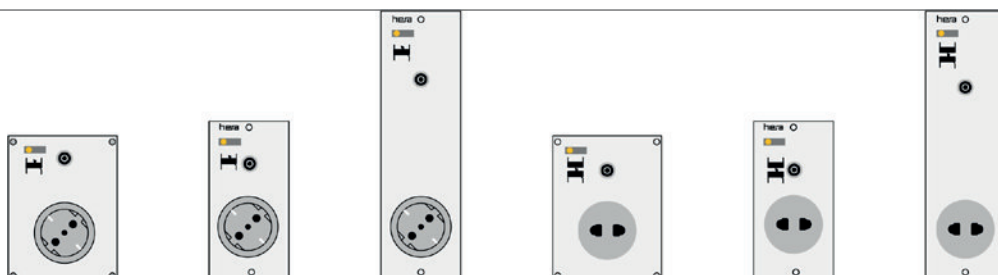
#### A Output Type 1:

- RGB-LED status indication.
- Front side operated thermomagnetic output fuse.
- 4mm safety jacks.



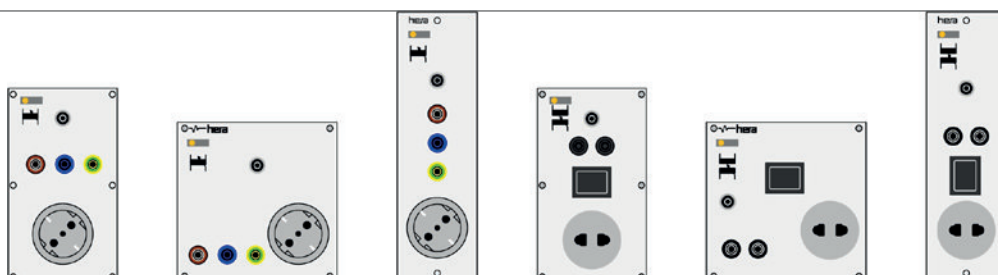
#### A Output Type 2:

- RGB-LED status indication.
- Front side operated thermomagnetic output fuse.
- PE socket (non-floating), type F or isolated socket (floating). Other socket type on demand!



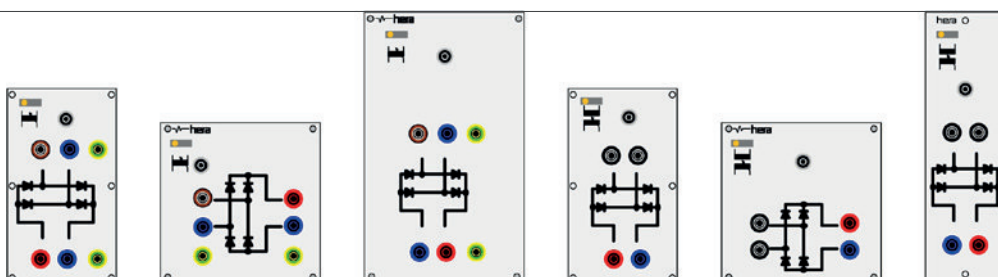
#### A Output Type 3:

- RGB-LED status indication.
- Front side operated thermomagnetic output fuse.
- Safety jacks.
- PE Socket, type F or isolated socket. Other type on demand!
- 2poles selector switch (floating version).



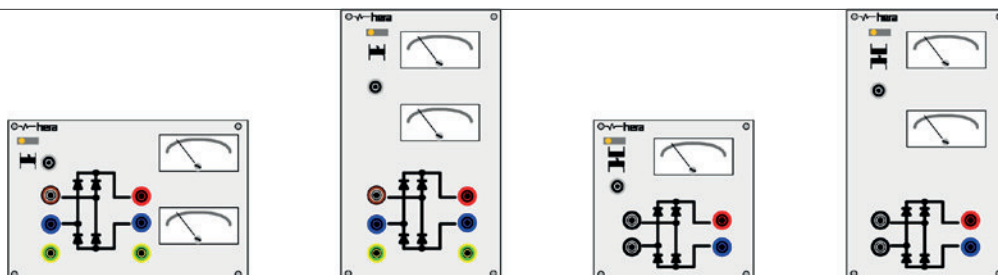
#### A Output Type 4:

- RGB-LED status indication.
- Front side operated thermomagnetic output fuse.
- Safety jacks.
- DC output with bridge rectifier for a pulsating DC voltage with 48% ripple.



#### A Output Type 5:

- RGB-LED status indication.
- Front side operated thermomagnetic output fuse.
- Safety jacks.
- DC output with bridge rectifier for a pulsating DC voltage with 48% ripple.
- Analogue reading for DC voltage and current (moving iron class 1,5).



## KP/EP/MP IMOD FUNCTION-UNIT: AC SOURCE 3PHASE

Consisting of KP/EP/MP module for bench rack integration and a completely housed Function-Unit, which can be located with respect its dimensions in the instrument rack or in an underbench rack.

### Connecting-Unit equipped with (depending on type):

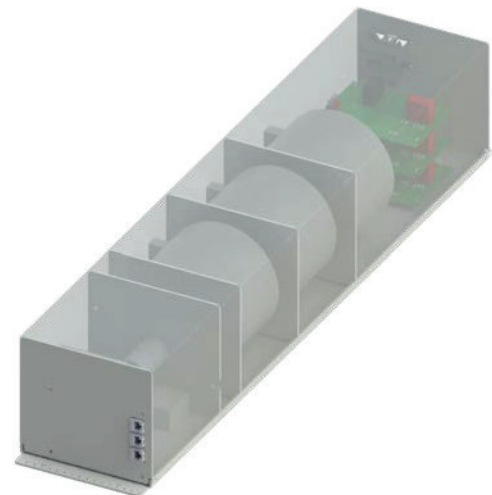
- RGB-LED for status indication.
- Three front side operated thermomagnetic output fuses.
- 4mm safety jacks.
- CEE socket 5poles, red, 400V / 6h.
- 6-point-rectifier for a pulsating DC voltage with 4,3% ripple.
- DC voltage and current reading (moving iron class 1,5).
- 7x 4mm safety jacks arranged as motor terminal (U1, U2, V1, V2, W1, W2 and PE).
- Selector switch for star / delta and rotation field.

### Housed Function-Unit:

- Motor-operated 3phase variac with isolating transformer (only floating type).
- Silent moving actuating motor with intelligent speed control for a minimum of set time and overshoot.
- 6x TrueRMS converter (3x voltage and 3x current) with 12bit resolution.
- Internal bus for the communication with the Control-Unit.
- Precise voltage - and current control.
- Set time: max 8s.
- Hysteresis:  $\pm U_{\max} / 153$ .



Note: only with Control-Unit TOUCH.



### IMOD Function-Unit: AC Source 3phase

6 S 3. A LL.LLL

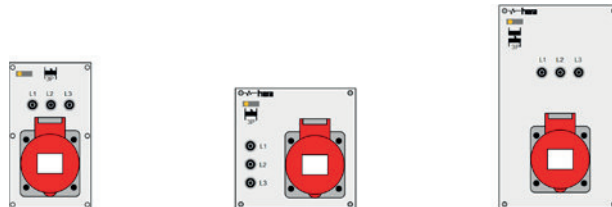
S	System	A	Output	LL.LLL	Type
1	KP senkr.	1	Safety Jacks	3KP / 0,5EP / 0,5MP	40.010 0-400V / 1A 40.015 0-400V / 1A floating
2	KP waagr.	2	CEE Socket 5poles	4KP / 0,5EP / 1MP	40.030 0-400V / 3A 40.035 0-400V / 3A floating
3	EP	3	Jacks and CEE Socket	5KP / 0,75EP / 1MP	40.060 0-400V / 6A 45.055 0-450V / 5A floating
5	MP	4	Jacks and Bridge Rectifier	0,75EP / 1MP	40.100 0-400V / 10A 40.105 0-400V / 10A floating
		5			40.140 0-400V / 14A 40.145 0-400V / 14A floating
		6			52.075 0-520V / 7A floating
		7			52.105 0-520V / 10A floating
		8			00.160 230/400V 16A fix (no variac)

**A Output Type 1 AC:**

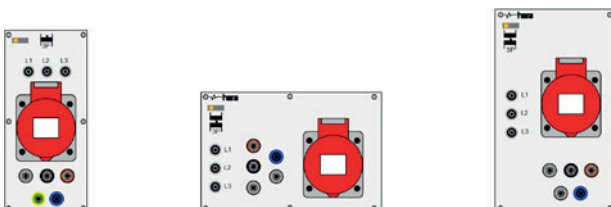
- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- NON floating: 5x safety jacks (L1, L2, L3, N and PE).
- floating: 4x safety jacks (L1, L2, L3 and N).

**A Output Type 2 AC:**

- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- CEE sockets 5poles red 400V / 6h.

**A Output Type 3 AC:**

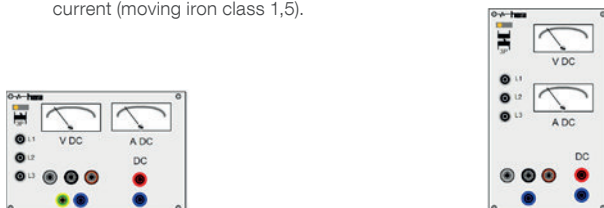
- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- CEE sockets 5poles red 400V / 6h.
- NON floating: 5x safety jacks (L1, L2, L3, N and PE).
- floating: 5x safety jacks (L1, L2, L3, N and equip. bonding).

**A Output Type 4 AC/DC:**

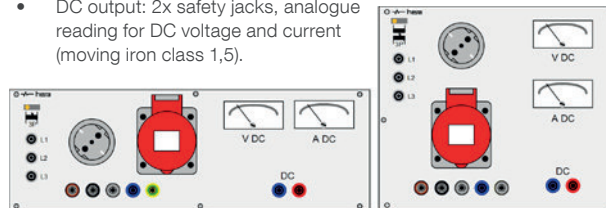
- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- AC outputs: 5x safety jacks (4x floating type).
- 6-point rectifier for pulsating DC voltage (4,3% ripple).
- DC output: 2x safety jacks.

**A Output Type 5 AC/DC:**

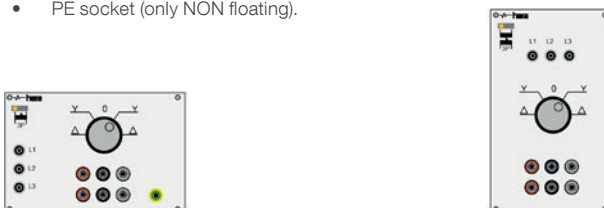
- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- AC outputs: 5x safety jacks (4x floating type).
- 6-point rectifier for pulsating DC voltage (4,3% ripple).
- DC output: 2x safety jacks, analogue reading for DC voltage and current (moving iron class 1,5).

**A Output Type 6 AC/DC:**

- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- AC outputs: 5x safety jacks, PE socket type F (others on demand) and CEE socket,
- 6-point rectifier for a pulsating DC voltage (4,3% ripple).
- DC output: 2x safety jacks, analogue reading for DC voltage and current (moving iron class 1,5).

**A Output Type 7 Motor Tester:**

- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- 6x 4mm safety jacks arranged as motor terminal (U1, U2, V1, V2, W1, W2).
- Selector for star / delta and rotation field.
- PE socket (only NON floating).

**A Output Type 8 Motor Tester:**

- RGB-LED status indication.
- 3x front side operated thermomagnetic output fuses.
- 6x 4mm safety jacks arranged as motor terminal (U1, U2, V1, V2, W1, W2).
- Selector for star / delta and rotation field.
- 5x safety jacks.
- CEE socket.





## KP/EP/MP IMOD FUNCTION-UNIT: LAB POWER SUPPLY LINEAR

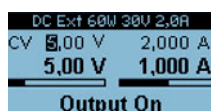
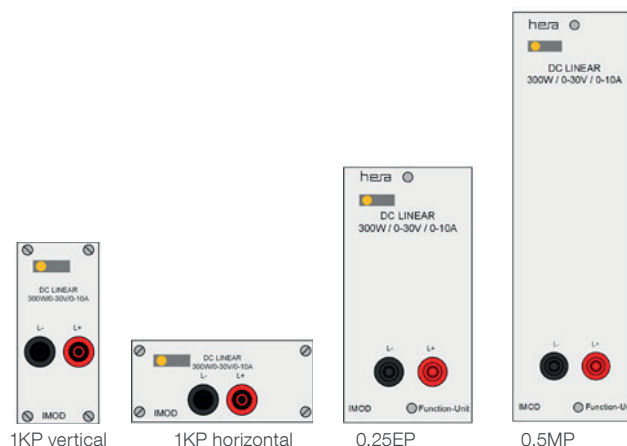
Consisting of KP/EP/MP module for bench rack integration and a completely housed Function-Unit, which can be located with respect to its dimensions in the instrument rack or in an under-bench rack.

### Connecting-Unit equipped with:

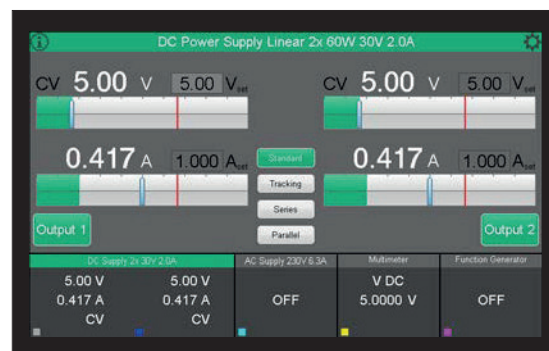
- RGB-LED for status indication.
- 2x 4mm safety jacks.

### Housed Function-Unit:

- In-phase controlled lab power supply with transformer switching.
- Silent operating fan with temperature controlled speed for 150W and 300W (60W - fanless).
- Display of measurements: 14 bit (16384 dots).
- Resolution of measurements: 16 bit (65536 dots).
- Ripple (at  $I_a = 50\%$ ):  $<0,7\text{mV}_{\text{RMS}}$ .
- Set time (load step 10-90%  $I_a$ , at 50%  $U_a$ ):  $<120\mu\text{s}$ .
- External voltage protection: 100V / 50V (60W).



graphical LCD Display Single



TOUCH Display Double Lab Power Supply



Housed Function-Unit: Lab Power Supply LINEAR 60W

### IMOD Function-Unit: Lab Power Supply

6 S 6.10 LLLL

#### S System

#### L.LLL Linear

1	1KP vertical	3.020	60W:	0 - 30V / 0 - 2A
2	1KP horizontal	3.050	150W:	0 - 30V / 0 - 5A
3	0,25EP	3.100	300W:	0 - 30V / 0 - 10A
5	0,5MP	6.050	300W:	0 - 60V / 0 - 5A

KP/EP/MP IMOD FUNCTION-UNIT: **LAB POWER SUPPLY EXTENDED RANGE**

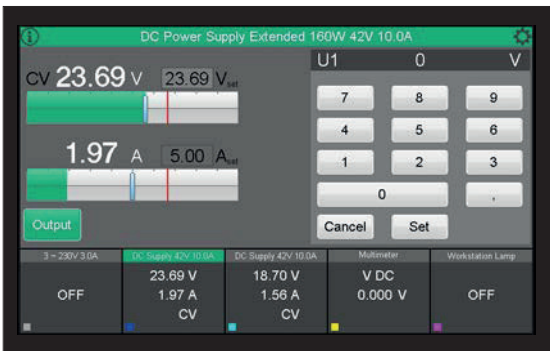
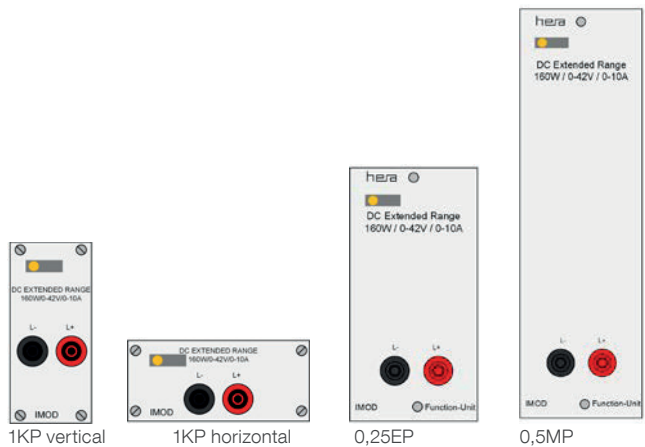
Consisting of KP/EP/MP module for bench rack integration and a completely housed Function-Unit, which can be located with respect its dimensions in the instrument rack or in an underbench rack.

**Connecting-Unit equipped with:**

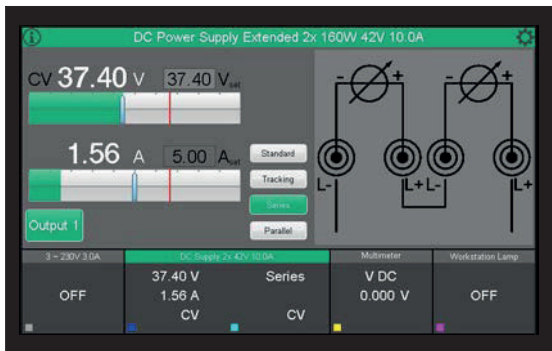
- RGB-LED for status indication.
- 2x 4mm safety jacks.

**Housed Function-Unit:**

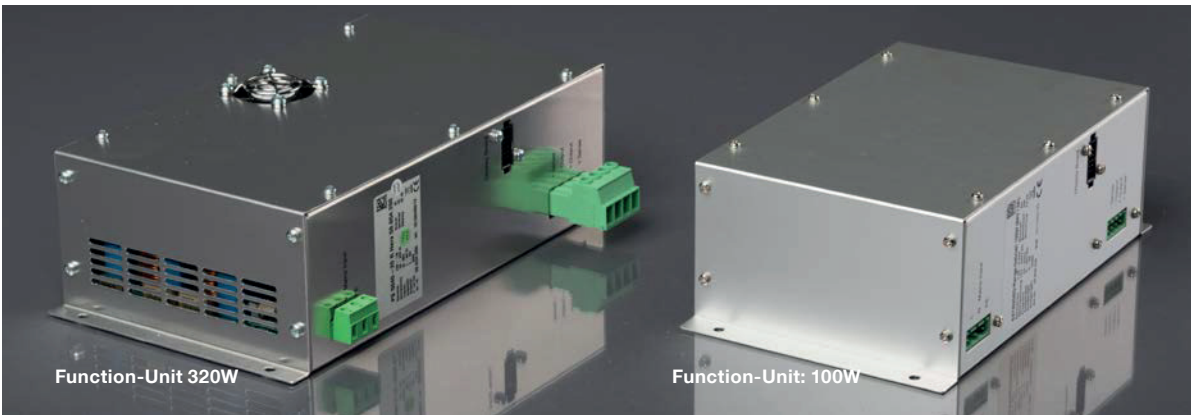
- Lab power supply, fanless up to 160W.
- Stability at 0-100% load: <0,8%.
- Stability at 10% mains alternation: <0,02%.
- Ripple: <5mV<sub>RMS</sub>.
- Set time 10-100% load: <1ms.
- Overvoltage protection: 0...46,2V.
- Accuracy: < 0,2%.
- Nominal values of current and voltage adjust one another so the max. power is not exceeded.



TOUCH Display Single with bargraph for direct entry



TOUCH Display Double in parallel mode



IMOD Function-Unit: Lab Power Supply Extended Range 6 S 5.10 LLL 0					
S System		L.LL	Type		
1	1KP vertical	4.06	100W: 0-42V / 0-6A	8.03	100W: 0-84V / 0-3A
2	1KP horizontal	4.10	160W: 0-42V / 0-10A	8.05	160W: 0-84V / 0-5A
3	0,25EP	4.20	320W: 0-40V / 0-20A		
5	0,5MP				

## KP/EP/MP IMOD FUNCTION-UNIT: INTERFACE CONNECTION FOR HIGH PERFORMANCE POWER SUPPLY

The system consists of the KP/ EP / MP Connecting-Unit for bench rack integration with interface to a high performance power supply.

The IMOD interface with Connecting-Unit allows to locate the high performance power supply conveniently under the table for keeping the instrument rack quite small. The power supply can be fully controlled at the Control-Unit or software.

### Connecting-Unit equipped with:

- Rear sided LAN connection.
- RGB-LED for status indication.
- **max 32A:** 2x 4mm safety jacks wired to power supply max. 32A.
- **max. 80A:** 2x 6/4mm safety jacks + 2x 4mm sense safety jacks wired to the power supply max. 80A.
- **max. 125A:** 2x 6mm safety jacks + 2x 4mm sense safety jacks wired to power supply.



0,25EP (32A)



0,5EP (80A)



0,5MP (125A)



1KP (32A)



3KP (80A)



**6/4 Safety Jack**  
 (for 6mm high current  
 plugs and 4mm lab plugs)

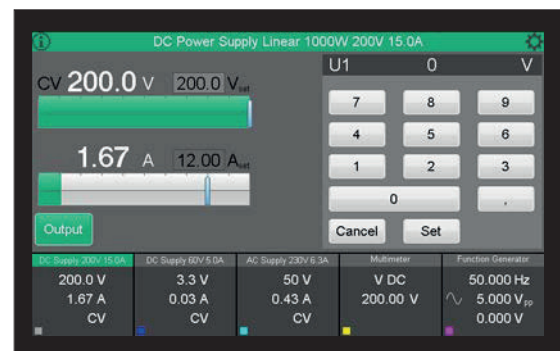


**6mm Safety Jack**  
 (for 6mm high current  
 plug)



**299.540.000**  
 2x 6mm plug red /  
 black)

IMOD Function-Unit: Interface Connection 6 S 5.200. A 00	
S System	A Current
1 1KP (3KP) vertical	5 4mm jacks (max. 32A)
2 1KP (3KP) horizontal	6 6/4mm jacks (max. 80A)
3 0,25EP (0,5EP)	7 6mm jacks (max. 125A)
5 0,5MP (0,5MP)	



## 19" HIGH PERFORMANCE POWER SUPPLY 2HE

- 19" microcontroller controlled power supply.
- Power controlled output stage (nominal values of voltage and current adjust one another, so the max. power is not exceeded).
- Color TFT display.
- Rear sided USB - and LAN Connection.
- Dimensions: 483 x 89 x 470mm (WxHxD).
- See chapter 11 for technical details.



Power Supply	1000W
365.100.040	0 - 40V / 0 - 40A
365.100.080	0 - 80V / 0 - 40A
365.100.200	0 - 200V / 0 - 15A
365.100.360	0 - 360V / 0 - 10A
365.100.500	0 - 500V / 0 - 6A

Power Supply	1500W
365.150.040	0 - 40V / 0 - 60A
365.150.080	0 - 80V / 0 - 60A
365.150.200	0 - 200V / 0 - 25A
365.150.360	0 - 360V / 0 - 15A
365.150.500	0 - 500V / 0 - 10A

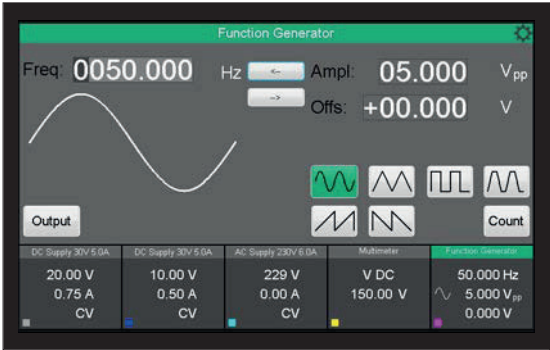
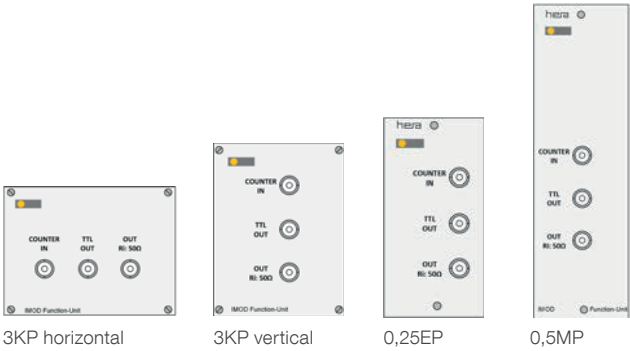
Power Supply	3000W
365.300.040	0 - 40V / 0 - 120A
365.300.080	0 - 80V / 0 - 120A
365.300.200	0 - 200V / 0 - 50A
365.300.360	0 - 360V / 0 - 30A
365.300.500	0 - 500V / 0 - 20A



KP/EP/MP IMOD FUNCTION-UNIT: **FUNCTION GENERATOR**

**Connecting-Unit with housed Function-Unit:**

- RGB-LED for status indication.
- 3x BNC sockets  
(COUNTER IN, TTL OUT and OUT Ri: 50Ω).
- Basic functions: sinus, triangle, square , saw tooth, pulse, trapezium.
- Frequency range: 50mHz – 10MHz (sinus), 50mHz – 1MHz (other signals).
- Arbitrary functions according to value table (comfortable handling by IMODdesktop).
- Other functions: PWM, TTL-output.
- Amplitude: 30V<sub>SS</sub> (max. 1MHz), up to 3V<sub>SS</sub> at 10MHz.
- Resolution: 12bit.
- Duty cycle: 0,1% ... 99,9%.
- DC Offset: ± 7,5V.
- Frequency measurement: max. 50MHz.



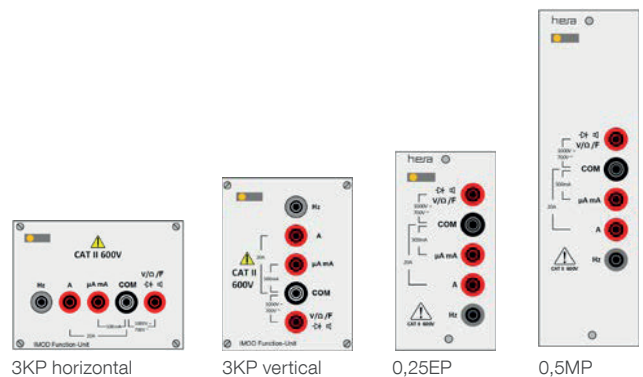
IMOD Function-Unit: Function Generator	
617.000.000	3KP (vertical).
627.000.000	3KP (horizontal).
637.000.000	0,25EP
657.000.000	0,5MP



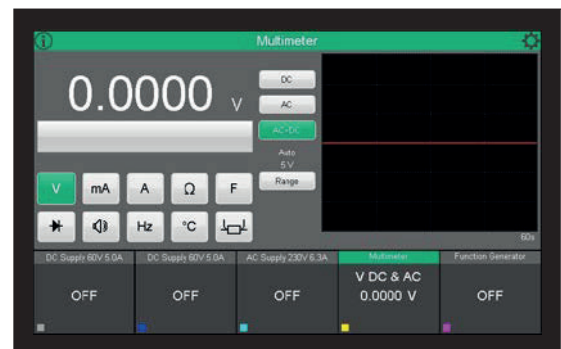
## KP/EP/MP IMOD FUNCTION-UNIT: MULTIMETER

### Connecting-Unit with housed Function-Unit:

- RGB-LED for status indication.
- 5x 4mm safety jacks (Hz, A,  $\mu$ A/mA, COM, V/ $\Omega$ /F/diode/continuity/temperature).
- Resolution: 4 3/4 digit (50.000 counts).
- Voltage DC: 10 $\mu$ V – 1000V.
- Voltage AC TrueRMS: 10 $\mu$ V – 700V.
- Current DC: 10nA – 20A .
- Current AC TrueRMS: 10nA – 20A.
- Protection of current inputs.
- Resistance: max. 50M $\Omega$ .
- Frequency: 100 $\mu$ Hz – 50MHz.
- Capacity: max. 5mF.
- Other functions: diode tests, continuity test, temperature measurement and high current measurement via shunt.
- Manual or autoranging.
- CAT II 600V.



IMOD Function-Unit: Multimeter	
614.000.000	3KP vertical.
624.000.000	3KP horizontal.
634.000.000	0,25EP
654.000.000	0,5MP
604.000.100	Immersion Temperature Sensor
604.000.200	Surface Temperature Sensor
604.000.300	Kapton Tape Temperature Sensor



#### 604.000.100:

##### Immersion Temperature Sensor -70 ... +250°C

- Water resistant immersion sensor 3mm diameter
- Silicon handle and highly flexible silicon cable
- Pt1000 class B
- 1m cable with 4mm lab plug



#### 604.000.200:

##### Surface Temperature Sensor -190 ... +260°C

- Surface sensor with fixation hole
- Pt1000 class A
- Stainless steel sleeve 40mm, hole 4,5mm
- 2m cable with 4mm lab plug



#### 604.000.300:

##### Kapton Tape Temperature Sensor -190 ... +260°C

- fast reacting contact sensor. As the sensor is integrated in transparent kapton foil, it is perfectly suitable for different surfaces and e.g. underlaying positions.
- Pt100 class B kapton tape sensor
- Thickness approx. 1,4mm
- 2m cable with 4mm lab plug

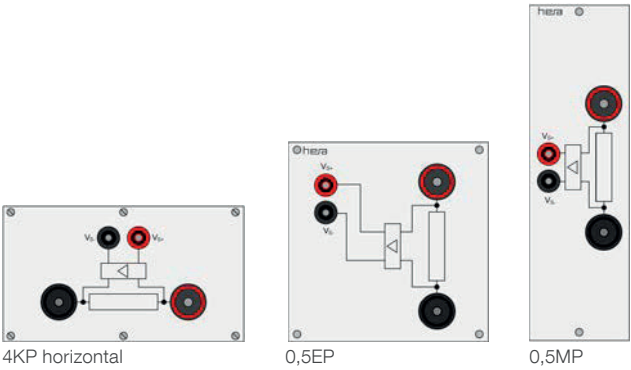


KP/EP/MP IMOD FUNCTION-UNIT: HIGH CURRENT MEASUREMENT

The Function-Unit for high-current measurement is an addition to the IMOD Function-Unit Multimeter. The module holds a high-current shunt with amplifier. The IMOD Control-Unit automatically calculates and indicates the measured current basing on the preset divider value.

Connecting-Unit equipped with:

- Housed and isolated high current shunt with 2x 6/4mm high current safety jacks.
- Measuring amplifier with output on 4mm safety jacks for connection to the voltage input of the IMOD multimeter.
- Accuracy of shunt: class 0,5.



IMOD Funct.-Unit: High Current Measurement 6 S 4.10 M.M 00			
S	System	M.M	Type
1	4KP vertical	0.5	max. 50A with 6/4mm sockets
2	4KP horizontal	1.0	max. 100A with 6mm sockets
3	0,5EP		
5	0,5MP		



SET OF IMOD MEASURING CABLES

Multimeter:

- 2x Safety Test Leads, 100cm
- 2x Test Probes

Lab Power Supply:

- 2x Safety Test Leads, 150cm
- 2x Safety Test Leads, 25cm
- 2x Crocodile Clips

AC Source:

- 5x Safety Test Leads, 100cm
- 4x Crocodile Clips

Function Generator:

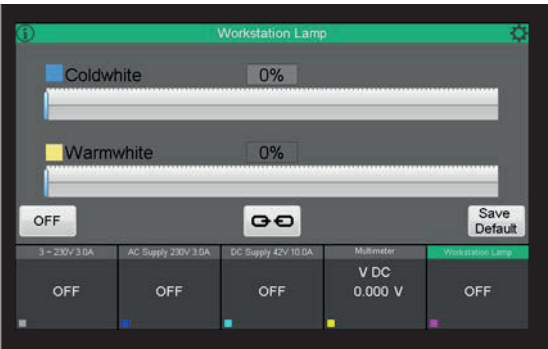
- 1x BNC Cables, 100cm
- 1x Adapter BNC - 4mm Lab Jack
- 1x USB Cable

Set of IMOD Measuring Cables	299.000.100
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IMOD FUNCTION-UNIT: PROFI LED WORKSTATION LAMP

Integration of the LED Workstation Lamp ST and PR for controlling following functions with the Control-Unit:

- On / Off.
- Dimming: 0 - 100%.
- Color temperature: 2700 - 5500K (only PR).
- Status memory.

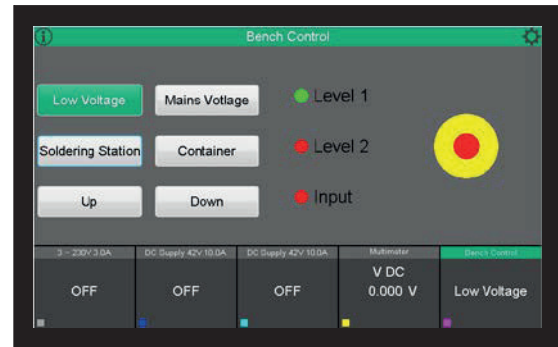


see catalogue page 088 / 089

## IMOD FUNCTION-UNIT: **BENCHCONTROL I/O**

Integrated I/O module for the operation and observation of the complete workstation with following functions:

- 6x freely editable relay outputs for various applications:
  - Level-activation (low -/ mains voltage)
  - Up and down for retractable boards
  - Switching soldering station or soldering fume extraction
  - Switch - and control for selective poles (e.g. voltage provision from instructor bench).
  - Activation of electric lock for container.
- 6x freely editable digital inputs for various applications:
  - Status report for emergency stop.
  - Key - or RFID activation.
  - Status query for contactors and position switches.
- Personalized login with PIN at the central user database IMOD BenchControl Central.



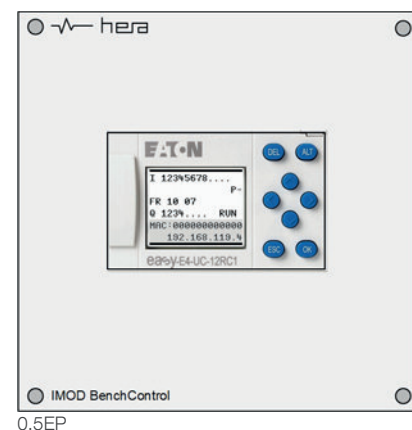
IMOD Function-Unit: BenchControl

601.000.000

## KP/EP/MP **ICOM BENCHCONTROL**

Industrial controller for complete remote control with the webbased software IMODdesktop / IMODmobile after LAN integration.

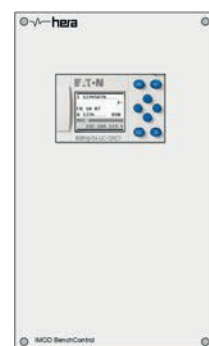
- 4x relay outputs, flexibly assigned e.g. for activation in levels (low- / mains voltage), up / down of retractable instrument racks, on / off for soldering fume extraction or soldering station, etc.
- 8x digital inputs, flexibly assigned e.g. for key - or RFID activation, emergency stop status report.
- LCD with color changing options (white, green, red). Text messages for operating modes, addresses, function keys, etc, distant status visibility, e.g. off: white / low voltage activation: green / mains voltage activation: red.
- Timer for time-controlled switching off.
- 4x programmable buttons (can be completely deactivated).
- Ethernet-Interface for IMODdesktop / IMODmobile integration.



0,5EP



4KP vertical



1MP

### ICOM BenchControl

621.100.000	ICOM BenchControl (4KP) vertical
631.100.000	ICOM BenchControl (0,5EP)
651.100.000	ICOM BenchControl (1MP)





# IMODdesktop und IMODmobile

## Software for IMOD Device Series

- applicable as web server solution for the full classroom or as single license for individual stations
- browser client software for OS-independency, thus the software can be used on all devices (PC, notebook, tablet and smart phone)
- two optimized resolutions, either IMODdesktop for big monitors or IMODmobile for smaller mobile devices
- personalized user management (log in data collection)
- personalized password protection with individual profiles
- comfortable software installation



Tablet with IMODdesktop



Tablet with IMODmobile



Smart Phone with IMODmobile

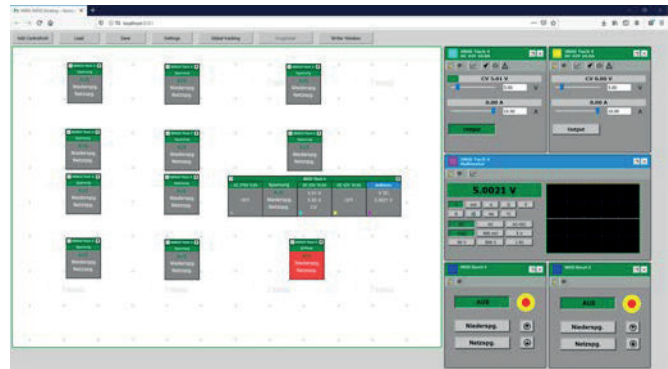


IMODdesktop control view, second monitor with multi-channel writer

## IMODdesktop AND IMODmobile

### IMODdesktop User Interface:

- Graphical user interface in the same design and operating concept as IMOD Control-Unit TOUCH.
- Dimensions and background freely designable e.g. room plan.
- Easy and intuitive operation (self-explaining).
- Variable arrangement of more IMOD Control-Units as graphical user interface, this allows a clear or even personalized presentation (e.g. student names).
- Grouping of more Function-Units.
- Memory for various arrangements.



Display arrangement:  
left: freely configurable arrangement of the Control-Units  
right: opened Function-Units

### IMODmobile User Interface:

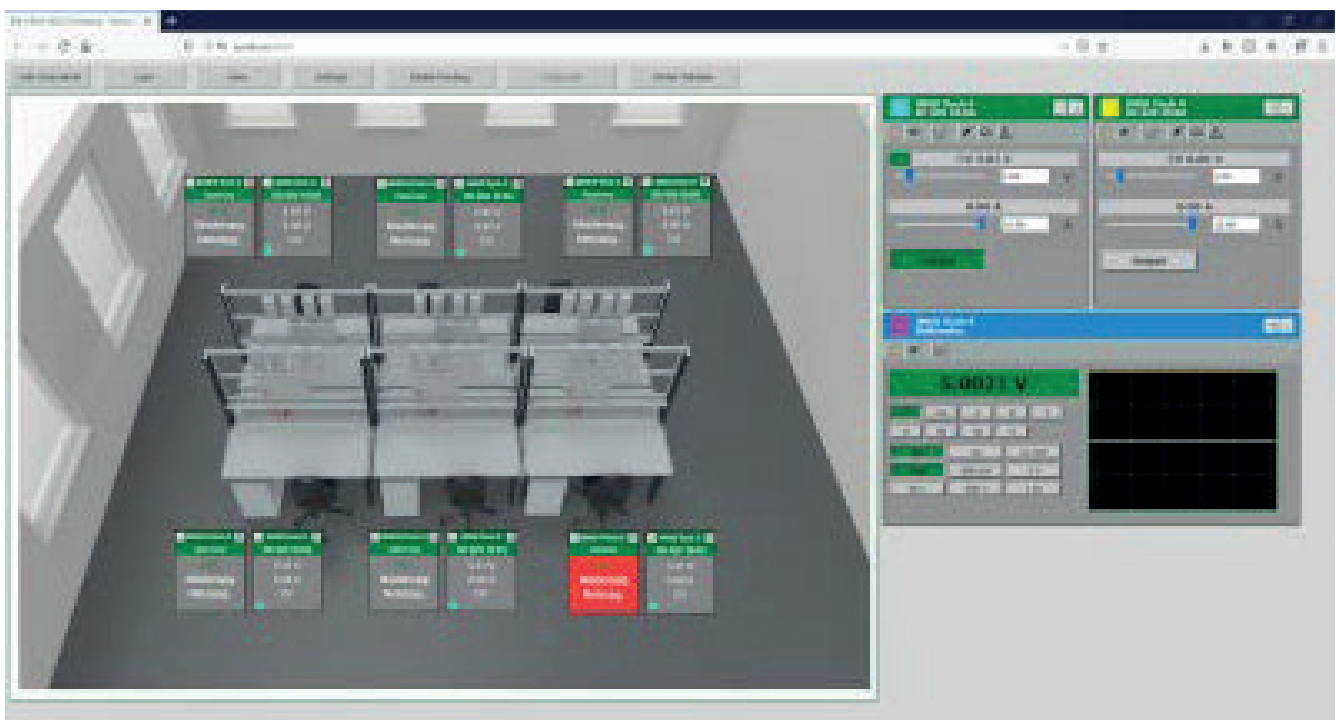
- Easy and intuitive operation for small end devices with touch function.
- Clearly arranged three-part screen layout:
  - List of all active user or groups (personalized IMOD Control-Units)
  - Selected Function-Unit
  - Operating panel of the selected Function-Unit



IMOD BenchControl I/O:  
multilevel activation for individual workstations or groups



IMOD Lab Power Supply:  
software-operation or -observation of individual lab power supplies or groups



IMODdesktop Room Control

### Available Function-Units:

- BenchControl I/O.
- Variable AC Sources 1- and 3phase
- Laboratory Power Supplies, single and double
- LAN-Connection for High Performance Power Supplies
- Multimeter (optional high current measurement)
- Function Generator
- LED Workstation Lamp

### Dialogue Functions:

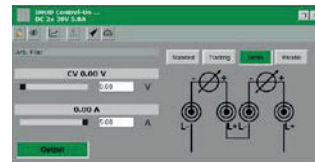
- Display of nominal values in digital numbers and analog bargraph
- Value setting via slider or keypad
- Switchable modes and outputs
- Value setting for start and limit
- Selection between four activation modes
- Recording function for all actual values
- Nominal value setting for arbitrary generator by matrix

### Recorder Function:

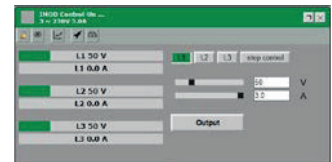
- Simultaneous measurement and presentation of more Function-Units, so they can be evaluated within the same time stamp.
- Settings for measured value calculation (min., max., average and last value).
- Selectable time base for long-period measurements.
- Data logging and further-processing as CSV table.

### Activation Modes:

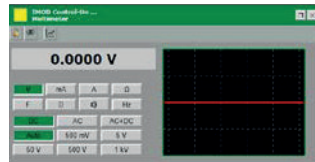
- All control features of the IMOD Control-Unit and software IMODdesktop and IMODmobile.
- Value setting with IMODdesktop. The IMOD Control-Unit can be operated within the limit setting (current and voltage for AC - and DC sources).
- Deactivation of control functions by IMODdesktop. The Control-Unit only serves as display but value setting cannot be done).
- Blinding-out the display with IMODdesktop. The display of the Control-Unit is blinded-out and control at the Control-Unit is not possible.



User Interface Double Lab Power Supply



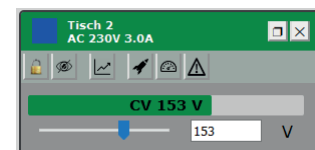
User Interface AC Source 3phase



User Interface Multimeter

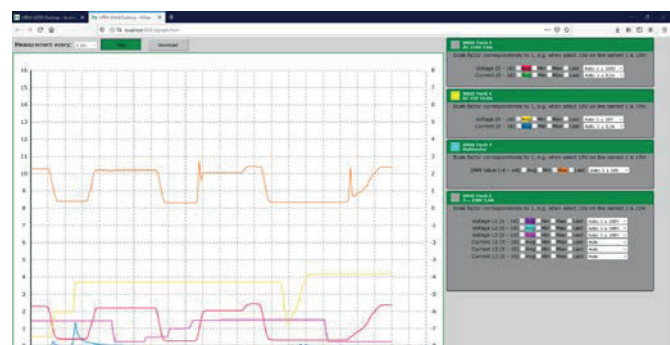
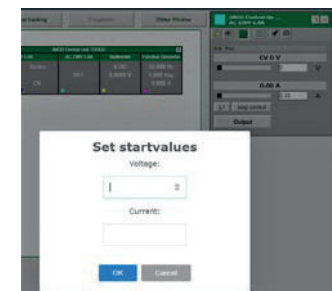


User Interface Function Generator

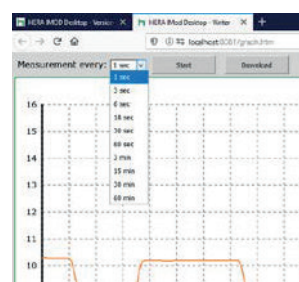
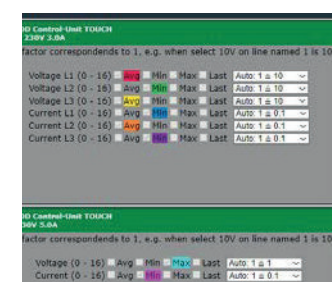


Function-Unit Buttons:

- control deactivated
- reading blinded-out
- recorder activated
- load arbitrary generator
- set start values
- set limit values
- set warning values



Multichannel Chart Recorder

Recorder Time Base:  
adjustable time base and download of CSV tableRecorder Measuring Values:  
adjustable color and calculating mode for each measuring range.

### Software IMODdesktop and IMODmobile

600.000.100	Single License	(for max. 2 Control-Units)
600.000.200	Classroom License	(for n Control-Units)