

### MOD.3195 MOD.4195

Provided with silk screened front panel and with 4mm CE safety sockets.

Nominal voltage:  
380/400 // 220/230 Vac  
50/60 Hz

Power  
- 3195: 300VA  
- 4195: 1000VA

Dimensions (LxWxH):  
50x30x25 cm

Weight:  
- 3195: 8kg  
- 4195: 12kg

Standard power available  
(other power on request):

Mod.3195 -0,3kW  
Mod.4195 -1kW  
Mod.5195 -2kW  
Mod.6195 -3kW  
Mod.7195 -5kW  
Mod.8195 -8kW  
Mod.9195 -10kW

Options:  
N. of winding-sections on request  
(for primary and/or secondary)

Voltages ratio between  
primary and secondary on  
request.



### General

Transformers are used in all power classes both in industry and in domestic appliances. They are used for the conversion of voltages and current.

This product gives an important instrument for the easy approach of the students with some simple but fundamental concepts of the electrical engineering.

Primary and secondary windings are divided in several sections to allow many possibilities of connections, including zigzag.

Housed in a robust metallic case, it's easy to use and manage thank to the table-top unit format.

- Imprinted terminal boards with the synoptic..
- Protection against thermal overload
- All connections on 4 mm safety sockets included thermal contact.
- Manual explaining theory and practice for laboratory experiments

### Didactical purpose

- Complete and simplified equivalent circuits;
- Measurement of the individual variables
- Transformation of current and voltage
- Measuring the rush current using an oscilloscope
- Measurement and calculation of the no-load values
- Measurement and calculation of the short-circuit values
- Measurements with a variable load R, L & C
- Determining the efficiency
- Evaluating the measured values
- Phase angle between primary and secondary windings and the effect of asymmetric loading in the circuit groups Yy, Yd, Yz, Dy

### MOD.3195 Three-phase Transformer



(image with both the primary and the secondary divided into two sections)

### Standard windings:

Primary: 380/400V  
(3x 2x110/115V phase)  
(3x 2x190/200V phase/phase)  
Secondary: 220/230V  
(3x2x65/66,5V phase)  
(3x2x110/115V phase/phase)

Power: 300VA; Frequency: 50/60Hz;

### Options:

Depending on the specific requirements of the application transformers could be designed and supplied with power and voltages 'on request' for primary and secondary.

### Accessories

A full range of accessories and options are available like measuring modules such as voltmeter, ammeter, power meter, connection cables and power supplies.



Resistive load  
MOD.3020-R



Inductive load  
MOD.3020-L



Capacitive load  
MOD.3020-C



MOD.3196  
Connection Leads  
Set