



MODULAR COMPENSATION TRAINING SET





Modular Compensation Training Set; the aim of the set is to introduce circuit elements in basic theoretical and practical trainings about compensation. Real-time experiments and many different applications can be performed and it supports compensation training with practical applications. The training set consist of modules. The training set is also suitable for basic training and advanced technical training. In the training set, user safety is prioritized. The training set is made of durable materials.



**TRAINING SET****TRAINING SET MODULES**

- Effects of R-L-C loads on AC circuits and their effects on the grid
- The effects of electrical linear loads and non-linear loads on power quality and the relationship between parameters (A - V - W - VA - VAR - COS ϕ - Harmonic I / V etc.)
- Each phase position display on the LCD screen of the reactive relay.
- Each phases can be monitored, controlled via computer interface module.
- Active, reactive and capacitive energy rates are monitored via the reactive relay.
- Individual compensation, group compensation and central compensation.
- Compensation failures applications

LCD DISPLAY REACTIVE RELAY MODULE



- Easy to use with Turkish menu
- Advanced dynamic software
- Easy commissioning
- Large color LCD screen (320x240 pixels 3.2")
- Ability to connect three-phase, di-phase, single-phase capacitors
- Compensation even at low current (10 mA)
- Displaying the phase or phases that the capacitors are connected to on the screen
- Ability to monitor the electrical magnitudes of 3 phases at the same time
- Computer communication (RS 485 MODBUS RTU)
- Password protected
- Compatible with Electronic Meters
- Extensive alarm menu

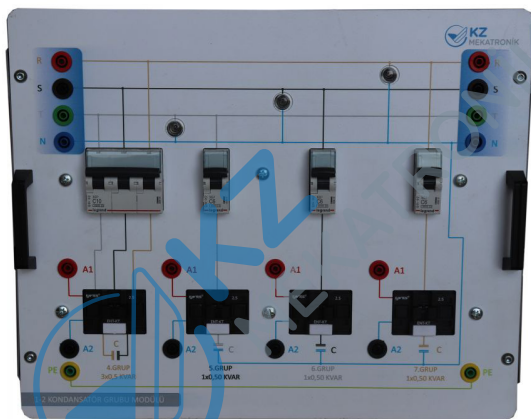
RS485 COMPUTER COMMUNICATION MODULE



- Computer connection with RS485 output Reactive relay
- All inputs and outputs are 4mm insulating born sockets,
- The circuit must be drawn on the compact.

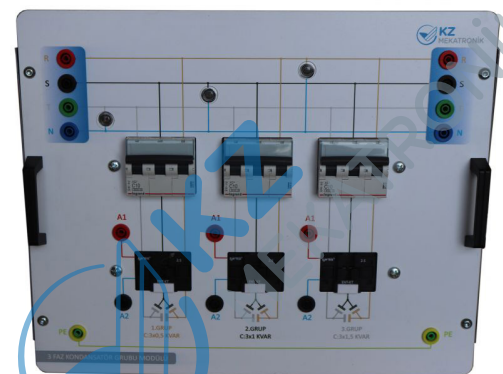


1 - 2 PHASE CAPACITOR GROUP MODULE



- W automat Fuse protected
- Contactor controlled with special production discharge resistor for compensation
- 2 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V capacitor stages
- Max capacitor 2KVAR / 450Vx
- All inputs-outputs are 4mm insulating born socket, screwed
- With circuit diagram on compact
- It should have a signal lamp.

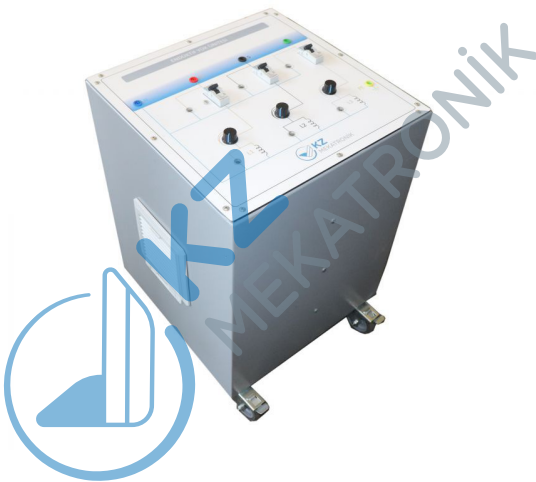
3 PHASE CAPACITOR GROUP MODULE



- W automat Fuse protected
- Contactor controlled with special production discharge resistor for compensation
- 2 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V, 1 x 0.5 KVAR 450V capacitor stages
- Max capacitor 2 KVAR / 450V
- All inputs-outputs are 4mm insulating born socket, screwed
- With circuit diagram on compact
- It has a signal lamp.



INDUCTIVE LOAD UNIT



- 3 x (0-1) KVAR each phase Potentiometer controlled
- All inputs and outputs are 4mm insulating born sockets,
- With circuit diagram on compact fuse protected
- It should have a signal lamp.

RESISTIVE LOAD UNIT



- 0-5 stage special production package switch controlled
- 1 suction - 1 blowing fan cooled to prevent the equipment from getting hot
- All inputs and outputs are 4mm insulating born sockets,
- With circuit diagram on compact
- 3x500W each phase 100W 5 steps
- Each phase is fuse protected
- It should have a signal lamp.