

## PHASE SEQUENCE TESTER TKF-12



## PHASE SEQUENCE AND MOTOR ROTATION TESTER TKF-13



The unique TKF-12 & TKF-13 testers has been designed for checking triple phase power installations in the wide range of the phase-phase voltage between 100V to 690V in distribution network frequency range 10-70Hz. Our testers enables rotary field and motor rotation indication also with contact-less detection. TKF-13 provides quick indication of 3 phase rotation using test leads or can be used to determine motor rotation on 3 phase motors. TKF-12 is powered from tested network. TKF-13 is powered from 9V battery with AUTO-OFF function.

### Standard accessories of the tester TKF-12:

- pin probe with banana connector - black
- pin probe with banana connector - red
- pin probe with banana connector - yellow
- „crocodile” clip K01; black

WASONBLOGB1  
WASONREOGB1  
WASONYEOGB1  
WAKROBL20K01

### Optional accessories of the tester TKF-12:

- AGT-16P (triple phase socket adapter)
- AGT-32P (triple phase socket adapter)
- AGT-63P (triple phase socket adapter)
- carrying case S1

WAADAAGT16P  
WAADAAGT32P  
WAADAAGT63P  
WAFUTS1

### Standard accessories of the tester TKF-13:

- test lead with banana plug; 1,2m; black
- test lead with banana plug; 1,2m; red
- test lead with banana plug; 1,2m; yellow
- pin probe with banana connector - black
- pin probe with banana connector - red
- pin probe with banana connector - yellow
- „crocodile” clip K01; black
- alkaline battery 6LR61 (9V)

WAPRZ1X2BLBB  
WAPRZ1X2REBB  
WAPRZ1X2YEBB  
WASONBLOGB1  
WASONREOGB1  
WASONYEOGB1  
WAKROBL20K01

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## TKF-12

- Phase sequence indication (direction of field rotation) in the power network with rated phase-to-phase voltage (120...690V) AC by LED signalization.
- Operation in the power network with frequency range 10...70Hz.
- Indication of the voltage presence in the particular phases by neon lamps signalization.
- Power supply from the tested network (continuous operation to 15 minutes for max. voltage).
- Protection against faulty indication of field rotation.

#### Electric security:

- type of insulation	double, according to EN 61010-1
- measurement category	CAT III 600V acc. to EN 61010-1
- protection class acc. to EN 60529	IP42

#### Rated operational conditions:

- rated phase-to-phase voltage range	120...690V AC
- maximum operation phase-to-phase voltage	760V AC
- frequency range	10...70Hz
- operating temperature	-10...+45°C
- storage temperature	-20...+60°C

#### Other technical data:

- power supply	from the tested electrical installation, up to 15 min for max. voltage
- dimensions	130 x 70 x 35mm
- weight (without test leads)	approx. 200g

## TKF-13

- Phase sequence indication (direction of field rotation) in the power network with rated phase-to-phase voltage (120...690V AC) by LED signalization.
- Operation in the power network with frequency 2...70Hz.
- Indication of the voltage presence in the particular phases by means of neon lamps.
- Indication of direction of motor rotations:
  - under state without voltage with using the test leads,
  - remonte, during motor operation.
- Detection of magnetic field presence.
- AUTO-OFF function.

#### Electric security:

- type of insulation	double, according to EN 61010-1
- measurement category	CAT III 600V acc. to EN 61010-1
- protection class acc. to EN 60529	IP42

#### Rated operational conditions:

- rated phase-to-phase voltage range	120...690V AC
- maximum operation phase-to-phase voltage	760V AC
- EMF motors voltage range	1...760V AC
- frequency range	2...70Hz
- operating temperature	-10...+45°C
- storage temperature	-20...+60°C

#### Other technical data:

- power supply	alkaline battery 6LR61 (9V)
- dimensions	130 x 70 x 35mm
- weight	approx. 250g
- diode flashing time of battery state	approx. 1s
- function auto-off	5min

