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	**WASONBLOGB1**
- pin probe with banana connector - red	**WASONREOGB1**
- pin probe with banana connector - yellow	**WASONYEOGB1**
- „crocodile" clip K01; black	**WAKROBL20K01**

Optional accessories of the tester TKF-12:

- AGT-16P (triple phase socket adapter)	**WAADAAGT16P**
- AGT-32P (triple phase socket adapter)	**WAADAAGT32P**
- AGT-63P (triple phase socket adapter)	**WAADAAGT63P**
- carrying case S1	**WAFUTS1**

Standard accessories of the tester TKF-13:

- test lead with banana plug; 1,2m; black	**WAPRZ1X2BLBB**
- test lead with banana plug; 1,2m; red	**WAPRZ1X2REBB**
- test lead with banana plug; 1,2m; yellow	**WAPRZ1X2YEBB**
- pin probe with banana connector - black	**WASONBLOGB1**
- pin probe with banana connector - red	**WASONREOGB1**
- pin probe with banana connector - yellow	**WASONYEOGB1**
- „crocodile" clip K01; black	**WAKROBL20K01**
- alkaline battery 6LR61 (9V)	

Optional accessories of the tester TKF-13:

- AGT-16P (triple phase socket adapter)	**WAADAAGT16P**
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- carrying case S1	**WAFUTS1**

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