

Pocket measurements

Capabilities

- Fault loop impedance measurement with 0.01 Ω resolution.
- Operates in networks with voltages 220/380 V, 230/400 V, 240/415 V (operating range 180...440 V).
- Operating frequency 45...65 Hz
- Calculation of I_k fault current.
- Automatic differentiation between phase and phase-to-phase voltage.
- Possibility of applying test leads: 1.2 m, 5 m and longer.
- Measurement with swapped L and N conductors.
- Measurement of resistance (R_s) and reactance (X_s) components.

Additional features

- Voltage measurement 0...440 V AC.
- Power supply: batteries (4 x LR6) or rechargeable batteries (4 x NiMH).

Application

This meter is designed for measurements on objects protected by circuit breakers with rating up to 63 A, where fault currents reach **1 kA**, i.e. in housing industry, single and multi-family houses, office buildings, small factories and all other facilities that are equipped with low-voltage electrical systems. In addition, the meter is a useful tool for maintenance services.



Technical specifications

Measurement functions	Measurement range	Display range	Resolution	Accuracy $\pm$ (% m.v. + digits)
Voltage	0 V...440 V	0 V...440 V	1 V	$\pm$ (2% m.v. + 2 digits)
Short-circuit loop parameters				
2p method - standard current measurement maximum current 26.7 A	from 0.24 Ω ...200 Ω acc. to EN 61557	0.00 Ω ...200 Ω	from 0.01 Ω	from $\pm$ (2.5% m.v. + 3 digits)
Short-circuit current readings				
2p method - standard current measurement	Calculated on the basis of test Z_s ranges and rated voltages	1.15 A...40 kA	from 0.01 A	Calculated on the basis of error for fault loop

Bezpieczeństwo i warunki użytkowania

Kategoria pomiarowa wg EN 61010	III 300 V
Stopień ochrony	IP67
Rodzaj izolacji wg EN 61010-1 i EN 61557	double
Zasilanie	4x LR6 1.5 V alkaline battery 4x AA size NiMH rechargeable battery
Wymiary	220 x 98 x 58 mm
Masa miernika	509 g
Temperatura pracy	-10...+50°C
Temperatura przechowywania	-20...+70°C
Wilgotność	20...80%
Temperatura nominalna	23 $\pm$ 2°C
Wilgotność odniesienia	40%...60%

Pozostałe informacje

Standard jakości – opracowanie, projekt i produkcja	ISO 9001
Wyrób spełnia wymagania EMC (emisja dla środowiska przemysłowego) wg norm	EN 61326-1 EN 61326-2-2

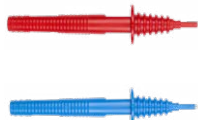


Standard accessories



**Crocodile clip
1 kV 20 A red**

WAKRORE20K02



**Pin probe 1 kV
(banana socket)
red / blue**

WASONREOGB1
WASONBUOGB1



**Test lead 1.2 m
(banana plugs)
red / blue**

WAPRZ1X2REBB
WAPRZ1X2BUBB



M1 hanging straps

WAP0ZSZE4



**M1 hanging
hook straps**

WAP0ZUCH1



M13 carrying case

WAFUTM13



4x LR6 1.5 V battery



**Calibration certifi-
cate issued by an
accredited laboratory**

Optional accessories



**Pin probe 1 kV
(banana socket)
yellow**

WASONYEOGB1



**Foldable pin
probe, 1 kV, 2 m
(banana socket)**

WASONSP2M



**Test lead
5 / 10 / 20 m red
1 kV (banana plugs)**

WAPRZ005REBB
WAPRZ010REBB
WAPRZ020REBB



**Three-phase socket
adapter 16A / 32A**

WAADAAGT16C
WAADAAGT32C



**Three-phase socket
adapter 16A / 32A**

WAADAAGT16P
WAADAAGT32P



**Three-phase socket
adapter 63 A**

WAADAAGT63P



**Industrial socket
adapter 16A / 32A**

WAADAAGT16T
WAADAAGT32T



**Calibration certificate
with accreditation**