

MPI-502F
Multifunctional electrical installations meter



MIC-10
Insulation resistance meter

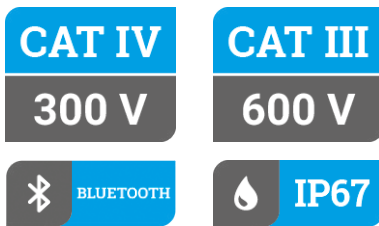


CMP-200F
Fork clamp meter

Comprehensive measurements of electrical installations

Capabilities

- **MPI-502F** | Measurement of short circuit loop parameters.
- **MPI-502F** | Testing RCD breakers of AC, A types.
- **MPI-502F • MIC-10** | Measurement of resistance of protective conductors and equipotential bondings.
- **MIC-10** | Insulation resistance measurements with voltage up to 1000 V.
- **CMP-200F** | Measurement of voltage, current, resistance, capacitance.



MPI-502F

Multifunctional electrical installations meter

Measurement of short circuit loop parameters

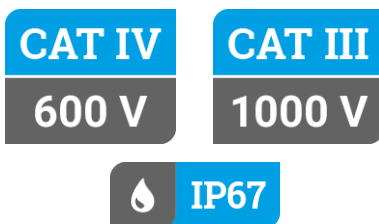
- Measurement of short circuit loop impedance in networks with rated voltage: 220/380 V, 230 V/400 V, 240/415 V and frequency 45...65 Hz, operating voltage range: 180...460 V.
- Indication of short circuit loop resistance R and short circuit loop reactance X.
- Measurements of short circuit loop impedance with 15 mA current, without tripping the RCD circuit breaker.
- Maximum test current: 7.6 A (at 230 V), 13.3 A (at 400 V).

Testing RCD breakers of AC, A types

- Testing of prompt, short-delay and selective RCDs with rated current values 10, 15, 30, 100, 300, 500 mA.
- Measurement of IA trip current and tripping time tA for currents $0.5 I_{\Delta n}$, $1 I_{\Delta n}$, $2 I_{\Delta n}$, $5 I_{\Delta n}$.
- RE and UB measurement without RCD tripping.
- Extended AUTO function of RCD measurement, with the possibility of measuring Z_{L-PE} with low current.
- Measurement of I_A and t_A during one RCD tripping.

Measurement of resistance of protective conductors and equipotential bondings

- Measurement of protective connections continuity with a ± 200 mA current in accordance with EN 61557-4.
- Autocalibration of test leads - any leads can be used.
- Low current resistance measurement with sound signaling.



MIC-10

Insulation resistance meter

Measurement of insulation resistance

- Measurement voltage within the range of **50...1000 V**: selected from 50, 100, 250, 500, 1000 V.
- Continuous reading of measured insulation resistance.
- Automatic discharge of the measured object's capacitance upon completion of insulation resistance measurement.
- Sound signaling of five-second time intervals, facilitating capture of time characteristics.
- Readings of actual measurement voltage during measurement.
- Measurement current 1 mA.
- Protection against measurement of live objects.

Measurement functions

- Insulation resistance measurement:
 - two- or three-lead method,
 - capacitance measurement during measurement of R_{ISO} .
- Low-voltage measurement of continuity using current of ≥ 200 mA (R_{CONT}).
- Low-voltage measurement of resistance (R_X).

Additional functions of the meter

- Measurement of direct and alternating voltages within the range of 0...600 V.
- Backlit keyboard and display.
- The instrument meets the requirements laid down by standard EN 61557.

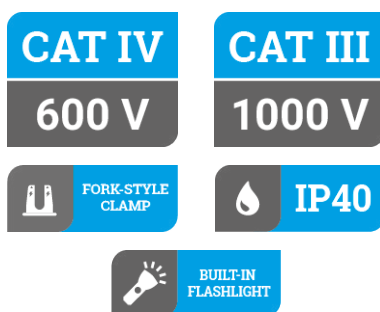


CMP-200F

Fork clamp meter

Features

- Fork-style clamp.
- AC current and AC voltage measurement.
- DC voltage measurement.
- Low-impedance voltage measurement - **Low Z**.
- Current measurement **up to 200 A AC**.
- Automatic selection of measuring ranges.
- **HOLD** function, allowing for freezing the result on the display.
- Function **MAX/MIN** for displaying extreme values.
- **Auto-OFF** function.



Technical data

Safety and work conditions	MPI-502F	MIC-10	CMP-200F
Measuring category according to EN 61010	IV 300 V, III 600 V	IV 600 V, III 1000 V	IV 600 V, III 1000 V
Ingress protection	IP67	IP67	IP40
Dimensions	220 x 102 x 61 mm	220 x 102 x 61 mm	230 x 44 x 66 mm
Weight	ca. 0.8 kg	ca. 0.6 kg	ca. 0.3 kg
Memory and communication			
Memory of measurement results	990 cells, 10 000 records	-	-
Data transmission	Bluetooth	-	-



Standard accessories



MPI-502F meter
WMGBMPI502F



MIC-10 meter
WMGBMIC10



CMP-200F meter
WMGBCMP200F



**Test lead 1.2 m
(banana plugs)
black / yellow/ blue**
WAPRZ1X2BLBB
WAPRZ1X2YEBB
WAPRZ1X2BUBB



**2x test lead 1.2 m
(banana plugs)
red**
WAPRZ1X2REBB



**Test leads set
for CMM
CAT IV, M**
WAPRZCMM2



**Crocodile clip
1 kV 20 A
black / yellow**
WAKROBL20K01
WAKROYE20K02



**Pin probe 1 kV
(banana socket)
black / blue**
WASONBLOGB1
WASONBUOGB1



**2x pin probe 1 kV
(banana socket) red**
WASONREOGB1



**WS-03 adapter
with START button
(UNI-Schuko plug)**
WAADAWS03



**L-9 hard carrying
case**
WAWALL9



2x hanging straps
WAPOZSZE4



**10x AA 1.5 V
alkaline battery**



**Factory calibration
certificates:
MPI-502F
MIC-10
CMP-200F**