MTK300 Series
Electrical test kits

- **Three kit options available**
- **Rubber armoured instruments**
- **Weatherproof IP54**
- **Test leads included**
- **Calibration certificates included**
- **3 year warranty**

DESCRIPTION

The MTK300 series test kits cover all the test requirements of the electrical engineer performing electrical inspection and testing on domestic, commercial and industrial installations for single and three phase applications.

The kits consist of three instruments, an MIT insulation tester, a LT earth loop tester and an RCDT residual current device tester.

Three kits are available: MTK310, MTK320 and MTK330. The instruments included in each kit are:

MTK310: Standard electrical test kit

MIT310	Insulation and continuity tester
LT310	Earth loop tester
RCDT310	RCD tester

MTK320: Advanced electrical test kit

MIT320	Insulation and continuity tester with insulation and continuity limit alarms
LT320	Earth loop tester with R1+R2 and MaxZ measurement
RCDT320	RCD tester with Programmable RCD testing capability

MTK330: Result storage and downloading test kit

MIT330	Insulation and continuity tester as MIT320 + Storage and down loading
LT330	Earth loop tester as LT320 + Storage and downloading
RCDT330	RCD tester as LT320 + Storage and downloading

Each kit is supplied in a smart briefcase to house all instruments and test leads. In addition all instruments are supplied with Megger calibration certificates and batteries are already fitted

All instruments are covered by a full three year warranty.

Megger MTK300 series electrical installation test kits contain a full set of instruments for testing electrical installations to BS7671, the 16th Edition wiring regulations and international electrical testing.

All instruments meet the requirements of EN61557 as well as the safety standard IEC61010-1

INSTRUMENT COMPARISON CHART

The following chart explains the differences between instruments in each kit. They are broken into insulation testers, loop testers and RCD testers to aid direct comparison.

Insulation and continuity testing

Insulation and continuity testing	MIT310 (MTK310)	MIT320 (MTK320)	MIT330 (MTK330)
Continuity testing			
Continuity @ >200 mA	■	■	■
Continuity to 0.01 ohm	■	■	■
Test lead mull	■	■	■
Automatic continuity test and buzzer	■	■	■
Buzzer disable		■	■
Continuity buzzer limit alarm		■	■
Insulation testing			
250 V/500 V/1000 V	■	■	■
999 Mohm range	■	■	■
Auto discharge	■	■	■
Live circuit voltage display /inhibit	■	■	■
Insulation test limit alarm		■	■
Other test ranges			
AC Volts/DC Volts	■	■	■
Frequency/Resistance		■	■
Storage/downloading			
Result storage			■
USB download			■
Download software			■
General			
Locking test button	■	■	■
Backlight display and ranges		■	■
Switch probe		■	■
IP54	■	■	■
CATIV 300 V/CATIII 600 V	■	■	■
Calibration certificate	■	■	■

Loop testing

Loop testing	LT310 (MTK310)	LT320 (MTK320)	LT330 (MTK330)
Loop testing			
Non-trip loop test	■	■	■
2 and 3 wire loop test	■	■	■
0.01 ohm resolution	■	■	■
3-phase loop test	■	■	■
PSCC (PFC) 19.99 kA	■	■	■
Touch voltage 25 V/50 V	■	■	■
R1+R2 measurement		■	■
MaxZ measurement		■	■
50 V operation		■	■
Phase rotation		■	■
Voltage/Frequency			
AC/DC Volts	■	■	■
Frequency		■	■
Storage/downloading			
Result storage			■
USB download			■
Download software			■
General			
Locking test button		■	■
Backlight display		■	■
IP54	■	■	■
CATIII 300 V	■	■	■
Calibration certificate	■	■	■

RCD testing

RCD testing	RCD310 (MTK310)	RCD320 (MTK320)	RCD330 (MTK330)
RCD testing			
30 mA, 100 mA, 300 mA, 500 mA	■	■	■
10 mA and 1000 mA RCDs		■	■
AC RCDs	■	■	■
DC sensitive RCD tests	■	■	■
3-phase safe	■	■	■
Programmable RCDs			■
50 V operation		■	■
Automatic RCD test		■	■
Ramp test		■	■
Touch voltage 25 V/50 V	■	■	■
Voltage frequency			
AC/DC Volts	■	■	■
Frequency		■	■
Storage/downloading			
Result storage			■
USB download			■
Download software			■
General			
Backlight display		■	■
IP54	■	■	■
CATIII 300 V	■	■	■
Calibration certificate	■	■	■

SPECIFICATIONS

For full information on individual instruments and electrical specifications please refer to the appropriate datasheets available on each instrument.

OPTIONAL ACCESSORIES

Illuminating switch probe

The SPL1000 illuminating switch probe offers the advantage of a built-in torch to illuminate the test point when making a measurement. In addition the Red/Green indicator shows a good test has been performed (green) or a problem has been encountered (red). Thus the test can be completed without moving your eyes from the test piece.

PowerSuite Professional software

PowerSuite Professional offers a range of packages to aid in the completion, presentation and management of electrical test results and certificates. Whether a simple form filler solution or a fully networking multiple user application is required, Powersuite has a package to suite.

PowerSuite PDA is also available for taking forms on site in the convenience of a PDA device, for on-site completion and return to base.

ORDERING INFORMATION

Item (Qty)	Order Code	Item (Qty)	Order Code
MTK310 Standard electrical test kit		Optional Accessories	
MIT310, LT310 and RCDT310	MTK310-EN-BS	SPL1000 Illuminating switch probe	6311-089
MTK320 Advance electrical test kit			
MIT320, LT320 and RCDT320	MTK320-EN-BS	Powersuite Professional	
MTK330 Downloading electrical test kit		Pro-Lite 16 Single user licence	6111-695
MIT330, LT330 and RCDT330	MTK330-EN-BS	Contractor 16 Single user licence	6111-697
		Industrial Single user licence	6111-699
		Power Single user licence	6111-700
		SME (Networking) Single user licence	6111-701
		PowerSuite PDA Single user licence	6111-743