



PROFITEST MASTER

Overview

SCOPE OF DELIVERY:

- Test Instrument
- Earthing contact plug insert (PRO-Schuko)
- 2-pole measuring adapter and cable for expansion into a 3-pole adapter (PRO-A3-II)
- Alligator clips
- Set of rechargeable batteries and charger
- DAkkS calibration certificate
- IZYTRONIQ Business Starter software
- USB cable

PROFITEST Master Test Instruments

Type	Article
PROFITEST MTECH+ IQ	M535B
PROFITEST MPRO IQ	M535C
PROFITEST MXTRA IQ	M535D



The PROFITEST APP / PROFISCAN



DESIGN PLUS
powered by light+building



product
design
award
2009

IZYTRONIQ

IZYTRONIQ software including:

Measuring and test instruments with IQ work more intelligently, can be used more flexibly, can deal with additional types of objects and support innovative test functions.

IZYTRONIQ not only automatically detects and manages interconnected test instruments, it also queries the test instrument's respective scope of functions.

IZYTRONIQ makes it possible to use measuring and test instruments in an entirely new way for multiple applications. Simplified import and export of test data, synchronization of memory structures and convenient generation of test reports are just a few of the high-performance features.

Characteristics / Features	PROFITEST		
	MTECH+ IQ	MPRO IQ	MXTRA IQ
RCD measurements			
UB measurement without tripping the RCCB	■	■	■
Tripping time measurement	■	■	■
Tripping current measurement	■	■	■
Selective, SRCDS, PRCDs, types A, AC, G/R and F, EV (PROFITEST MTECH+, MXTRA)	■	■	■
AC/DC sensitive RCDs – type B, type B+, RDC-DD	■	–	■
Testing of insulation monitoring devices (IMDs)	–	–	■
Testing of residual current monitoring devices (RCMs and RCMBs)	–	–	■
Testing for N-PE reversal	■	■	■
Loop impedance Z_{L-PE}/Z_{L-N}			
Fuse table for systems without RCDs	■	■	■
Without tripping the RCD, fuse table	■	–	■
With 15 mA test current*, without tripping the RCD	■	■	■
Earth resistance R_E			
I-U measuring method, mains operation (2/3-wire measuring method via measuring adapter: 2-wire / 2-wire + probe)	■	■	■
Earth resistance R_E (battery operation), 3 or 4-wire measuring method via PRO-RE adapter	–	■	■
Soil resistivity ρ_E (battery operation) 4-wire measuring method via PRO-RE adapter	–	■	■
Selective earth resistance R_E (mains operation) with 2-pole adapter, probe, earth electrode and current clamp sensor (3-wire measuring method)	■	■	■
Selective earth resistance R_E (battery operation) with probe, earth electrode and current clamp sensor (4-wire measuring method via PRO-RE adapter and current clamp sensor)	–	■	■
Earth loop resistance R_{LOOP} (battery operation) 2 clamps (current clamp sensor direct and current clamp transformer via PRO-RE/2 adapter)	–	■	■
Measurement of equipotential bonding R_{LO}			
Automatic polarity reversal	■	■	■
Insulation resistance R_{INS}			
Variable or rising test voltage (ramp)	■	■	■
Voltage measurement			
$U_{L-N}/U_{L-PE} / U_{N-PE}/f$	■	■	■
Special measurements			
Leakage current (clamp measurement) I_L, I_{AMP}	■	■	■
Meter start-up	■	■	■
Phase Sequence	■	■	■
Voltage drop	■	■	■
Standing-surface insulation Z_{ST}	■	■	■
Earth leakage resistance $R_{E(IN)}$	■	■	■
Leakage current with PRO-AB adapter	–	–	■
Residual voltage test	–	–	■
Intelligent ramp	–	–	■
Testing of charging stations per IEC 61851	■	–	■
Features			
Selectable user interface language	■	■	■
Memory (database for up to 50,000 objects)	■	■	■
Automatic test sequence function	■	■	■
Interface for RS 232 RFID/scanner	■	■	■
USB port for data transmission	■	■	■
Interface for <i>Bluetooth</i> [®]	■	–	■
IZYTRONIQ user software	■	■	■
Measuring category: 600 V CAT III / 300 V CAT IV	■	■	■
DAkkS calibration	■	■	■

* The so-called live measurement is only advisable if there is no bias current within the system. Only suitable for motor protection switches with small nominal current.