

AI 5000

Line Leakage Tester Series AI 5000



- conform to **CE**, acc. to EN 50 191
- DUT connection via shock-proof socket or lab sockets
- external power supply
- internal increase of voltage to 110%
- for 1- and 3-phase DUTs
- digital 24 VDC and analogue interface



Line Leakage Tester Series AI 5000

The safety test of electrical devices must, after having been tested without current and depending on the relevant test standard, be completed by a line leakage measurement with increased rated voltage. Only by means of the line leakage test it is possible to activate the internal controls in case of electro-mechanical devices. So the line leakage test is of special importance.

Series AI 5000 offers 3 different techniques. While tester AI 5000A draws its test voltage directly from the power supply, tester AI 5000P applies a safety isolating transformer. A further and important feature of the testers is the cutting-in. With tester AI 5000P an operation mode change-over is possible without turning off the supply voltage of the DUT. Devices AI 5000L and AI 5011L have been designed for application in automatic test systems.

LC



Line Leakage

Data:

	AI 5000A	AI 5001A	AI 5000P	AI 5010D
output (230 V/50 Hz)	230 V–256 V/16 A	230 V–256 V/16 A	60 V–300 V/2 A	3 x 400/16 A
output (115 V/60 Hz)	115 V–128 V/16 A	115 V–128 V/16 A	30 V–150 V/4 A	3 x 200/16 A
- potential	power supply	power supply	free	free
- phases	1	1	1	3
operating modes	A ₁ /A ₂ /B	A/B	A/B	A ₁ /A ₂ /A ₃ /A ₄ /B
recognition phase	yes	yes	no	no
measuring range	1 mA/10 mA			
interruption when changing mode of operation	yes	no	no	no
plug-in	19"/4 HU	19"/4 HU	19"/4 HU	19"/8 HU
power supply	230 V/50 Hz or 115 V/60 Hz			400 V/50 Hz

Special features:

- conform to **CE**, in accordance with EN 50 191
- optical and audible alarm
- analogue measuring instrument for voltage, class 1,5
- analogue measuring instrument for current, class 1,5
- potential free PLC remote control interface
- potential free analogue output for voltage (0 up to 10 VDC)
- potential free analogue output for current (0 up to 10 VDC)
- external power supply for test voltage (not in case of AI 5000P)
- built-in, adjustable voltage increase from 100% up to 110% (not in case of AI 5010D)

OEM-devices:

- AI 5000L, same as AI 5000A, however for system application
- AI 5010L, same as AI 5010D, however for system application

Options/Optional:

- measuring range 0,1 mA/1 mA (AI 5000P only)
- test current 32 A (AI 5010D and AI 5010L only)