

Functional test

TEST VOLTAGE

Test voltage	12 - 250 V AC one-phase potential-free via an integrated isolating transformer @ 5A
Resolution	1V
Voltage adjustment	adjustable in steps of 1V
Voltage control	automatic electronic constant-voltage control with under-voltage and over-voltage control
Tolerance of setting	default value + 3 V
Voltage measurement	true r.m.s value
Measurement accuracy	±0.25% of the final value ±1 V

CURRENT

Test current	5 A AC maximum continuous current
Resolution	1 mA
Current measuring and evaluation	true r.m.s value
Measurement accuracy	±0.25% of the final value ±1 mA

POWER

Power	1250 VA maximum continuous power at 250 V @ 5 A 550 VA maximum continuous power at 110 V @ 5 A
Resolution	1 VA or 1 W
Power measurement and evaluation	VA or W
Measurement accuracy	±0.5% of the final value ±1 VA respectively ±1 W

EVALUATION

Upper & lower limit ±tolerance in % of the default value	current: 0 - 5 A, measured values within the tolerance limits are OK power: 0 - 1250 W, measured values within the tolerance limits are OK power Factor: 0 - 1, measured values within the tolerance limits are OK
Undervoltage and overvoltage	If test voltage is smaller than -3 V of the default value, test result is NO GO If test voltage is higher than +3 V of the default value, test result is NO GO
Electronic short-circuit detection	continuously short-circuit proof with automatic electronic current limiting
Error signal	optic and acoustic

GENERAL

Starting delay timer	0, 0.5 s, 0.6 s, 0.7 s - 60 s in steps of 0.1 s (0 = off)
Test timer	0, 0.5 s, 0.6 s, 0.7 s - 1 h in steps of 0.1 s
Measurement technique of U & I	high-precision true r.m.s value measurement (U_{TRMS} - I_{TRMS})
Residual voltage test	The test (test step) is only finished, when output voltage decreased under 60 V

Further information

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For further information please have a look on our homepage www.schleich.com

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