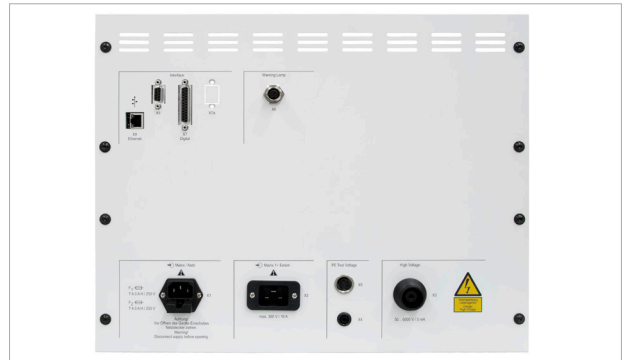




BestPerformance+Plus

Combi-tester with functional test



Technical specifications

Main data				
Type	G8-1G	G8-1T	G8-1A	G8-1M
Operation	Manual / Auto	Auto	Manual / Auto	Auto
Test time	0,5 ... 999 s			
Mains connection of the tester	1 ~ 230 V ± 10 % / 49 - 61 Hz			
Mains connection for functional test	Power cable 16 A 1 ~ 230 V ± 10 % / 49 - 61 Hz			
Working temperature	10 °C - 50 °C			
Humidity	25 - 75 % relative humidity			
Dimensions	19" / 8 HU, depth 360 mm			
Weight	appr. 35 kg		appr. 26 kg	
PE test				
Test voltage	6 / 12 V AC			
Test current	5 ... 32 A			
Measurement range resistance / resolution	0,001 ... 1,200 Ω / 0,001 Ohm			
Measurement range voltage / resolution	0,2 ... 12,00 V / 0,01 V			
Measurement accuracy	± 1,5 % of act. value ± 3 Digit			



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Technical specifications

Type	G8-1G	G8-1T	G8-1A	G8-1M
High-voltage test	AC		DC	
Output voltage	0,1 ... 2,5 kV floating 0,2 ... 5,0 kV floating		0,05 ... 6,0 kV earthbound	
Rated power	500 VA		30 W	
Short-circuit current	> 200 mA		max. 5 mA	
Measurement ranges / resolution	10 mA / 10 μ A 100 mA / 100 μ A		0,05 mA / 0,1 μ A 0,5 mA / 1 μ A 5 mA / 10 μ A	
Trigger on	Real current / complex current		Real current	
Voltage setting speed	max. or 0,01 ... 3,5 kV / s		max. or 0,01 ... 1,0 kV / s	
Setting error / voltage	typical \pm 10 V			
Measurement accuracy voltage / current	1 % of act. value \pm 3 Digit			
Insulation test				
Output voltage	0,05 ... 1,2 kV earthbound		0,05 ... 6,0 kV DC earthbound	
Test current	max. 1 mA / 1 W		max. 5 mA	
Measurement range / resolution	0,1 ... 10,0 M Ω / 100 k Ω 1 ... 100 M Ω / 1 M Ω 10 ... 1000 M Ω / 10 M Ω (Autorange)		0,1 ... 2,5 M Ω / 10 k Ω 1 ... 25 M Ω / 100 k Ω 10 ... 250 M Ω / 1 M Ω 100 ... 2,5 G Ω / 10 M Ω (Autorange)	
Measurement accuracy	\pm 1 % of act. value \pm 3 Digit			
Required minimum test voltage for ISO test	0,1 kV / 200 M Ω (lower test voltages reduce accuracy)			
Functional test				
Test voltage	50 ... 300 V AC external supply			
Measurement range / resolution	50 ... 300 V 0,1 V			
Measurement accuracy	\pm 1 % of act. value \pm 1 Digit			
Test current	max. 16 A			
Measurement range / resolution	0,1 - 16 A 0,01 A			
Measurement accuracy	\pm 1% of act. value \pm 5 Digit			
Power	max. 4000 W / 4000 VA			
Measurement range real power / resolution	20 ... 4000 W 1 W			
Measurement accuracy	\pm 1,5 % of act. value \pm 1 Digit			
Measurement range complex power / resolution	20 ... 4000 VA 1 VA			
Measurement accuracy	\pm 2 % of act. value \pm 1 Digit			
Continuity test				
Test voltage	max. 24 V AC			
Test current	max. 2 A			
Measurement range resistance / resolution	5 ... 1000 Ω 1 Ω			
Measurement accuracy	\pm 2,5 % of act. value \pm 1 Digit			