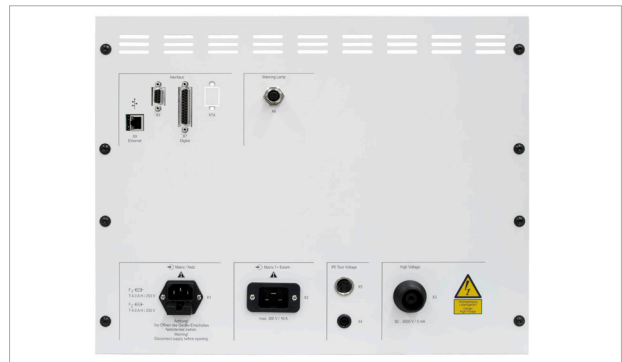




BestPerformance+Plus

Combi-tester with functional test



Technical specifications

Main data		
Type	G8-1G	G8-1A
Operation	Manual / Auto	Manual / 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	



BestPerformance+Plus

Combi-tester with functional test

Technical specifications

Type	G8-1G	G8-1A
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	