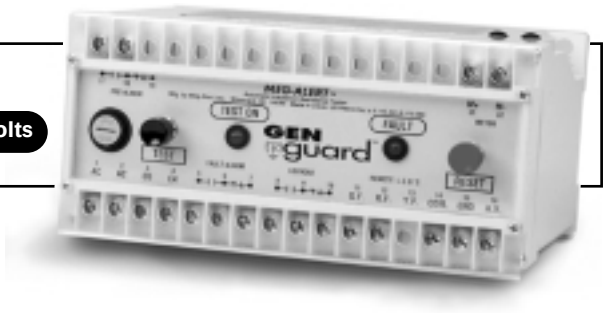
GEN guard™

AC or DC Generators 500 to 5000 Volts



GP-500, GP-1000, GP-2500, GP-5000 SERIES - Insulation Testers

Specifications:

Input Power: 115-125 VAC 50/60 Hz @.15 A max.
Control Sensing: 120 VAC 50/60 Hz
Alarm & Lockout Contacts: 5A @ 240 VAC or 28 VDC
LED Display: Test on: green (flash); Fault: red (flash)

Control Accuracy: 1% overall, 2% for GP500
Ambient Temperature: -14°F to 140°F
Assembly: Meets UL 508 specifications

PART NUMBER	TYPE	TEST VOLTAGE	GROUND	INCLUDES	OPTIONS
LOW VOLTAGE					
GP500-G	Auto Single	500 VDC	Ungrounded	GP7002, GP14001	GP7000, GP14003, GP8010, GP5010-S RAC, GP8025
GP500-G/DC	Auto Single	500 VDC	Ungrounded	GP7002, GP14001	GP7000, GP14003, GP8010, GP5010-S RAC, GP8025
GP500-G1	Auto Single	500 VDC	1000 KW & Below 800A NO Gr. Int.	GP7002, GP14001, GP400-GIO	GP7000, GP5010-M RAC, GP8025, GP14003
GP500-G2	Auto Single	500 VDC	1000 KW & Below 800A NC Grd. Int	GP7002, GP14001, GP400-GIC	GP7000, GP5010-M RAC, GP8025, GP14003
GP500-G3	Auto Single	500 VDC	1000 KW & Above 1200A NO Grd. Int.	GP7002, GP14001, GP600-GIO	GP7000, GP5010-M RAC, GP8025, GP14003
GP500-G4	Auto Single	500 VDC	1000 KW & Above 1200A NC Grd. Int.	GP7002, GP14001, GP600-GIC	GP7000, GP5010-M RAC, GP8025, GP14003
GP500-G5	Auto Single	500 VDC	Resistive Grounded 30A NO Grd. Int.	GP7002, GP14001, GP010-GIO	GP7000, GP5010-M RAC, GP8025, GP14003
GP500-G6	Auto Single	500 VDC	Resistive Grounded 30A NC Grd. Int.	GP7002, GP14001,GP010-GIC	GP7000, GP5010-M RAC, GP8025, GP14003
MULTI GUARD					
*GP500-2G	Auto 2	500 VDC	Ungrounded	GP7000, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G1	Auto 2	500 VDC	1000 KW & Below 800A NO Gr. Int.	GP7000, GP400-GIO, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G2	Auto 2	500 VDC	1000 KW & Below 800A NC Grd. Int.	GP7000, GP400-GIC, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G3	Auto 2	500 VDC	1000 KW & Above 1200A NO Grd. Int.	GP7000, GP600-GIO, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G4	Auto 2	500 VDC	1000 KW & Above 1200A NC Grd. Int.	GP7000, GP600-GIC, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G5	Auto 2	500 VDC	Resistive Grounded 30A NO Grd. Int.	GP7000, GP010-GIO, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
*GP500-2G6	Auto 2	500 VDC	Resistive Grounded 30A NC Grd. Int.	GP7000, GP010-GIC, GP5002	GP14000, GP5010-M RAC, GP8025, GP14003
MEDIUM VOLTAGE					
GP1000-G	Auto Single	1000 VDC	Ungrounded	GP10010, GP10016, GP8012	GP7000-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G1	Auto Single	1000 VDC	1000 KW & Below 800A NO Grd. Int.	GP10010, GPI0016, GP7000-1, GP8012, GP400-GIO	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G2	Auto Single	1000 VDC	1000 KW & Below 800A NC Grd. Int.	GP10010, GP10016, GP7000-1, GP8012, GP400-GIC	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G3	Auto Single	1000 VDC	1000 KW & Above 1200A NO Grd. Int.	GP10010, GP10016, GP7000-1, GP8012, GP600-GIO	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G4	Auto Single	1000 VDC	1000 KW & Above 1200A NC Grd. Int.	GP10010, GP10016, GP7000-1, GP8012, GP600-GIC	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G5	Auto Single	1000 VDC	Resistive Grounded 30A NO Grd. Int.	GP10010, GP10016, GP7000-1, GP8012, GP010-GIO	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP1000-G6	Auto Single	1000 VDC	Resistive Grounded 30A NC Grd. Int.	GP10010, GP10016, GP7000-1, GP8012, GP010-GIC	GP7002-1, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G	Auto Single	2500 VDC	Ungrounded	GP7000-2, GP8012, GP10025, GP10016	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G1	Auto Single	2500 VDC	1000 KW & Below 800A NO Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP400-GIO	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G2	Auto Single	2500 VDC	1000 KW & Below 800A NC Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP400-GIC	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G3	Auto Single	2500 VDC	1000 KW Above 1200A NO Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP600-GIO	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G4	Auto Single	2500 VDC	1000 KW & Above 1200A NC Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP600-GIC	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G5	Auto Single	2500 VDC	Resistive Grounded 30A NO Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP010-GIO	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP2500-G6	Auto Single	2500 VDC	Resistive Grounded 30A NC Grd. Int.	GP7000-2, GP8012, GP10025, GP10016, GP010-GIC	GP7002-2, GP14003, GP14000, GP8012-U, GP5010-S, GP8025
GP5000-G	Auto Single	5000 VDC	Ungrounded	GP7000-5, GP8012, GP10050, GP10016	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025
GP5000-G1	Auto Single	5000 VDC	1000 KW & Below 800A NO Grd. Int.	GP7000-5, GP8012, GP10050, GP10016, GP400-GIO	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025
GP5000-G2	Auto Single	5000 VDC	1000 KW & Below 800A NC Grd. Int.	GP7000-5, GP8012, GP10050, GP10016, GP400-GIC	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025
GP5000-G3	Auto Single	5000 VDC	1000KW & Above 1200A NO Grd. Int.	GP7000-5, GP8012, GP10050, GP10016, GP600-GIO	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025
GP5000-G4	Auto Single	5000 VDC	1000 KW & Above 1200A NC Grd. Int.	GP7000-5, GP8012, GP10050, GP10016, GP600-GIC	GP7002-5, GP14003, GP8012-U, GP1400, GP5010-S, GP8025
GP5000-G5	Auto Single	5000 VDC	Resistive Grounded 30A NO Grd Int.	GP7000-5, GP8012, GP10050, GP10016, GP010-GIO	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025
GP5000-G6	Auto Single	5000 VDC	Resistive Grounded 30A NC Grd Int.	GP7000-5, GP8012, GP10050, GP10016, GP010-GIC	GP7002-5, GP14003, GP8012-U, GP14000, GP5010-S, GP8025

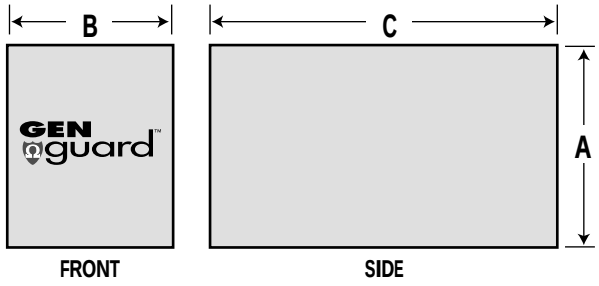
*Also available in 4 and 6 generator models.

HOW TO ORDER

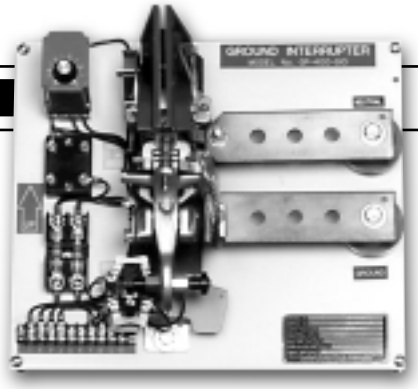
Select a model for testing AC or DC generators. • Select a model test voltage closest to the generator operating voltage. Generator kilowatt is **NOT** a factor. • Determine if the generator has a grounded neutral lead. If so, select a **Meg-Alert** model with a ground interrupter rating capable of handling neutral fault current level. One ground interrupter is required per generator. • Select a meter output of 1% or 2% accuracy. • Select an optional pre-alarm output. • On low voltage generators (only) select a single generator unit or a multiple generator unit. If multiple choose model closest to number of generators to be tested. • Select an optional 4-20 mA transducer or RS232 R.A.C. unit for automatic data trending. • Select input voltage (AC/DC) and control voltage available at your generator switchboard. • Determine if you want unit mounted in an enclosure. • Determine alarm levels required if other than factory standard.

DIMENSIONS

PART NUMBER	A (INCHES)	B (INCHES)	C (INCHES)	WEIGHT (LBS.)
GP500-G	2.75	6	4.5	2
GP500-G/DC	4	12	8	4.8
GP1000-G	12	4	8	4.8
GP2500-G	12	4	8	4.8
GP5000-G	12	4	8	4.8
GP500-2G	4	11	8	6.5
GP500-4G	4	11	8	6.5
GP500-6G	4	11	8	6.5



For Use With Grounded Generators Only



GROUND INTERRUPTERS

Used with **Gen Guard** systems on 4 wire grounded neutral generators only.

Specifications:

Input Power: 120 VAC 50/60 Hz @ .30A Max.
Control Sensing: 120 VAC 50/60 Hz
Includes: Ground closed indicating light and Nameplate set

PART NUMBER	MAX AMP RATING	INPUT VOLTAGE	MAXIMUM FAULT RATING AMPS (4 CYCLES)	VOLTAGE	CONTACTOR RATING	ASSEMBLY OPTIONAL
GP-400-GIO	800	120 VAC, 50/60 Hz	10K	600 VAC	Normally Open	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure
GP-400-GIC	800	120 VAC, 50/60 Hz	10K	600 VAC	Normally Closed	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure
GP600-GIO	1200	120 VAC, 50/60 Hz	30K	2500 VAC	Normally Open	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure
GP600-GIC	1200	120 VAC, 50/60 Hz	30K	2500 VAC	Normally Closed	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure
GP010-GIO	30	120 VAC, 50/60 Hz	1K	600 VAC	Normally Open (used for high resistance grounds)	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure
GP010-GIC	30	120 VAC, 50/60 Hz	1K	600 VAC	Normally Closed	GP9007-8 Safety bypass switch and label, NEMA 4X enclosure

MODEL # CODE

GP – 500 – 4 – G – 2

Meg-Alert General Product Family

Tester Voltage
500 = 500 VDC
1000 = 1000 VDC
2500 = 2500 VDC
5000 = 5000 VDC

No # = Single Motor or Generator Insulation Tester
2 = Automatic 2 Motor or Generator Insulation Tester
4 = Automatic 4 Motor or Generator Insulation Tester
6 = Automatic 6 Motor or Generator Insulation Tester
8 = Automatic 8 Motor Insulation Tester
9 = Automatic 9 Motor Insulation Tester

No Letter = Motor Guard Go/No Go Tester
M = Motor Guard Motor Insulation Tester
G = Gen Guard Generator Insulation Tester
DC = DC Motor Insulation Tester
MU = Special Model for Utilities

No Number = Ungrounded
1 = 1000 KW & Below 800A NO Grd. Int.
2 = 1000 KW & Below 800A NC Grd. Int.
3 = 1000 KW & Above 1200A NO Grd. Int.
4 = 1000 KW & Above 1200A NC Grd. Int.
5 = Resistive Grounded 30A NO Grd. Int.
6 = Resistive Grounded 30A NC Grd. Int.

Wiring Diagrams can be found on-line @ www.megalert.com