

美国 MEGGER SVERKER650 继电保护测试仪产品特点:

- 测试所有单相保护和自动重合闸
 - 输出高达 250V
 - 可与计算机通讯
 - 输出高达 200V
 - 还可测量阻抗 (z)、电阻 (R)、电抗 (X)、有功 (P)、视在功率 (S) 无功 (Q)、功率因数 (cosφ) 等, 电流电压均可作为基准
 - 10 组测试存储, 分歧类型的主动测试
 - 读数锁定 (坚持) 功用。便于记载
 - 一体化设计集电压、电流源及表计于一体运用便利
- 交流电流输出:

范围 A	空载电压 (V)	满载电压 (V)	满载电流 (A)	带载/恢复时间 (分钟)
0-10	90	75	10	2/15
0-40	25	20	40	1/15
0-100	10	8	100	1/15
0-100	10	--	250	1 秒/15 分钟

交流/直流电压输出:

范围	空载电压 (V)	满载电压 (V)	满载电流 (A)	带载/恢复时间 (分钟)
0-250V AC	290	250	3	10/45
0-300V AC	320	250	2	0-300V AC

辅助交流/直流电压输出:

电压范围 (V)	空载电压 (V)	满载电压 (V)	满载电流 (A)
0-60VAC	70V	60V	0.25A
60-120VAC	130V	120V	0.25A
20-130VDC	130V		0.4A
130-220VDC	220V		0.4A

其他参数

计时器:LED 显示 0.000-999.9S,精度为:1ms;

电流表: 内部 0.00-200.0A; 外部 0.000-6.000A;

精度: 内部量程: 0.5%外部量程: AC 0.5% / DC 0.5%;

电压表: 量程 0.00-600.0V; 精度 AC 0.5%, DC 0.5%;

相角: 量程 0-359°, 精度 1°; 体积: 350×270×220mm;

重量: 18kg。

SVERKER 650 测试仪的设计结合了多年现场继电器测试的经验, 以可靠性和方便著称。这袖珍强大的仪

器能提供市场上单相保护继电器的二次测试需要的所有功能。

SVERKER 650 Relay Test Set



- **Designed for rugged field use**
- **0 to 100 Amp output current**
- **Suitable for testing many different types of relays such as power, voltage and current**
- **Easy to operate**

Description

The Sverker 650 testing unit, whose design incorporates benefits gleaned from many years of experience in field relay testing, enjoys a well-earned reputation for reliability and convenience. Compact and powerful, it provides all of the functions needed for secondary testing of almost all types of single-phase protection now available on the market.

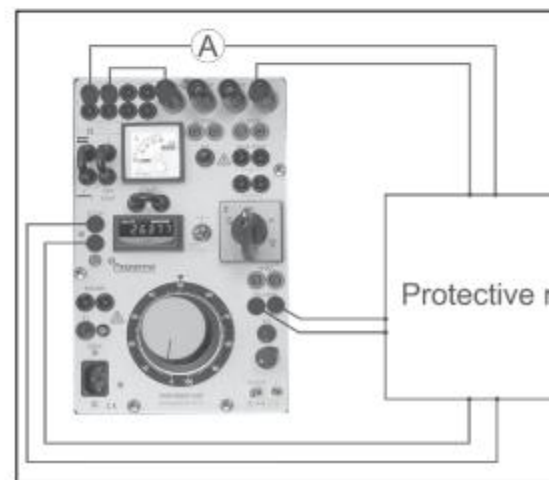
SVERKER 650 features logical design and construction, and it is extraordinarily easy to learn and use. Its compact design and light weight makes it extremely portable.

Auxiliary equipment for SVERKER 650 includes a test lead set and a rugged transport case. Another useful accessory is the ACA120 voltage source which makes it easier to test directional relays.

Application

The Sverker 650 is for use in high-voltage substations and industrial environments. The built-in capacitor provides protection when testing directional protective relays, a set of resistors is used to divide voltages.

The Sverker 650 is intended primarily for secondary injection testing of protective relays. Virtually all types of single phase protection can be tested.



Typical protective relay test connection

Specifications SVERKER 650

Specifications are valid at nominal input voltage and an ambient temperature of +25°C, (77°F). Specifications are subject to change without notice.

Environment

Application field The instrument is intended for use in high-voltage substations and industrial environments.

Temperature

Operating 0°C to +50°C (32°F to +122°F)

Storage & transport -40°C to 70°C (-40°F to +158°F)

Humidity 5% – 95% RH, non-condensing

CE-marking

LVD 2006/95/EC

EMC 2004/108/EC

General

Mains voltage 115/230 V AC, 50/60 Hz

Power consumption 1100 VA (max)

Protection Thermal cut-outs, miniature circuit breakers

Dimensions

Instrument 280 x 178 x 250 mm (11" x 7" x 9.8")

Transport case 560 x 260 x 360 mm (22" x 10.2" x 14.2")

Weight 16 kg (35.3 lbs)

26 kg (57.3 lbs) with accessories and transport case.

Test lead set, with 2 x 0.25 m (0.8 ft), 2.5 mm²

4 mm stackable 2 x 0.5 m (1.6 ft), 2.5 mm²

safety plugs 8 x 2.0 m (6.6 ft), 2.5 mm²

Test leads with spade- 2 x 3.0 m (9.8 ft), 10 mm²

tongue connectors

Measurement section

Current measurement

Built-in ammeter

Ranges 0 – 10 A / 0 – 100 A

Inaccuracy ±3%

External ammeter

Output for external ammeter Connected to built-in current transformer

Inaccuracy ±0.5%

Timer

Range 0 – 999.999 s

Resolution 1 ms

Inaccuracy ±0.02% of displayed value, +2 mV
Independent of mains frequency

Outputs

Current outputs, AC

Range	No-load voltage (min)	Output voltage (min)	Load / unloading times On (min)
0 – 10 A	85 V	75 V (10 A)	2 min/30 min
0 – 40 A	25 V	19 V (40 A)	20 s/15 min
0 – 100 A	10 V	7.7 V (100 A)	20 s/5 min

Voltage outputs, AC/DC

Range	Output voltage (min)
0 – 250 V AC	220 V (2.7 A)
110 V AC (fixed)	110 V (0.3 A)
0 – 350 V DC	280 V (2 A)
20 – 220 V DC (stab.)	200 V (0.25 A)

Other

Built-in capacitor provides phase shift when testing direct protection, and a set of resistors can be used to divide voltage.

Output used to start external cycles.

Terminal for external start/stop of built-in timer.

Terminal for connecting serial impedance when testing direct protection.



Test lead set GA-00030

Ordering information

Item	Art. No.
SVERKER 650	
Incl. Test lead set GA-00030	
Transport case GD-00010	
115 V Mains voltage	BA-00010
230 V Mains voltage	BA-00020
Optional Accessories	
ACA120	
Variable output, 0-120 V AC	BA-00030