

**1300 A Max
750 VA**

- High current test set up to 1300A
- 2 outputs with high current 3V(1300A) et 5V(750A)
- Low ranges to inject current up to 32A
- Injection set compact and rugged
- True RMS measurement
- Voltage generator up to 250Vac
- Measurement of ratio and direction of current transformer

OVERVIEW

- Flight Case enclosure
- Dimensions : 390 x 310 x 300 mm
- Weight : 21 kg.

SPECIFICATIONS

Power supply :

- 230V 50/60 Hz

Nominal power : 750 VA.

Max power : 2.5 kVA

Protections :

- Power supply and generator by circuit breakers and electronic control.

Generators :

One AC current generator with voltage function depending on load.

Current generator : 5 ranges

Output 3V : 500A/5mn ; 750A/85s ; 1300A/10s

Output 5V : 300A/5mn ; 500A/38s ; 750A/8s

Output 25A with maximum voltage 24V

Output 5A/13VA

Voltage output 250V / 2A

These specifications vary as a function of the section of the cables used, the resistance of the contacts and the heating of the generator in the test set. Additionally, for correct operation it is necessary to keep the instrument on standby for a period that is at least as long as the injection period.

Cables used : 2 cables length 2m section 95 mm²



DIGITAL DISPLAY

The new control enables recording of the trip time, threshold, and CT ratio in an internal FLASH memory. These data can be downloaded to a computer with windows® XP/2000/VISTA. The data connections are **USB** and **RS232**.

Internal ammeter :

- 2 ranges 0-130 A and 130-1300 A with automatic selection
- Precision : 1%

Time measurement :

- Internal START/STOP trigger
- External START.STOP trigger
- free of voltage contact or AC/DC 12 to 250 V
- precision : 0.02 % +-1ms
- range measurement : 9999.999

Options

- integrated ammeter to measure the ratio and direction of a current transformer : MCF500-Aext
- Set of cables
- Software to edit test reports and data records : MCF-ACQ

VE 1200-N Primary injection set

2000A
3000VA

Single-phase test set for high currents. The easy to use and rugged **VE 1200-N** is particularly adapted to primary testing : transformer ratios, auxiliaries, bushings, circuit breakers, over-current relays, etc.

The **VE1200-N** has a built-in digital measurement and control module. The latest version has a big graphical display for easy reading of the TRMS current and control of the injection.

OVERVIEW

- Flight Case with wheels,
- Size : **570 x 310 x 510 mm**,
- Weight \pm 52 kg.

SPECIFICATIONS

Power supply :

- **230 Vac 50/60 Hz.**

Protection :

Supply and generator by circuit breakers and electronic control.

Generator :

Single generator configured for current three ranges : **1A, 15A and 2000A.**

The output current can be adjusted to

650A for 15 minutes
1000A for 5 mn
2000A for 30 seconds.

DIGITAL DISPLAY

The new control enables recording of trip time, threshold and CT ratio in an internal FLASH memory. These data can be downloaded to a computer with windows® XP/2000/VISTA. The data connexions are **USB** and **RS232**.



Internal ammeter :

- 2 ranges **0-200 A** and **200-2000 A** with automatic selection
- Precision : 1%.

External ammeter :

- 2 ranges **0-1A** and **1-10A**
- Precision : 0.5 %
- The external ammeter has a dedicated menu for measuring the ratio and phase shift of a Current Transformer.

Time measurement :

- Internal START/STOP trigger
- External START.STOP trigger
- free of voltage contact or AC/DC **12 to 250 V**
- precision : 0.02 % \pm 1ms
- range measurement : 9999.999 s

Options

- Software to edit test reports and record data : **MCF-ACQ**

Set of cables :

VE1200-CA-3M-ETRI 2x 3m section **190 mm²** with clamp

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VE 2000-N Primary injection set

- **High current test set up to 4000 A (PCITS)**
- Nominal power available on output : **6 kVA**
- Maximum power available on output: **15 kVA**
- 2 high current outputs on **3V and 6V**
- Continuously variable current from **0 to 4000A**
- **Rugged design in FLIGHT CASE** with wheels
- **True RMS current measurement**
- Multi-function digital timing system
- For current transformer :
Ratio and phase shift of CT
- Circuit breaker test set (thermal and magnetic)



PRIMARY INJECTION

OVERVIEW

- 2x flight case type with braked wheels :
- Control unit : **53x39x36 cm** Weight \approx **35 kg**
- Power unit : **45x31x48 cm** Weight \approx **52 kg**

SPECIFICATIONS

Power supply :

230V 50/60Hz single phase + earth 6 kVA.

Protections :

- Power supply by circuit breaker
- Injection by electronic control and thermal relay

Generators :

The output current is variable by auto-transformer

3V output :

- **2000A/continuous ; 3000A/5mn ; 4000A/1mn**
- **Max power available 8.3kVA/30s**

6V output :

- **1000A/continuous ; 2000A/1mn ; 3000A/20s ; 4000A/10s**
- **Max power available 15kVA/10s**

These specifications depend on burden and in particular of cable section and length. (Consult us)

DIGITAL DISPLAY

The new control enables recording of the trip time, threshold and CT ratio in an internal FLASH memory. These data can be downloaded to a computer with windows® XP/2000/VISTA. The data connexions are **USB** and **RS232**.

Internal ammeter :

- 2 ranges **0-400 A** and **400-4000 A** with automatic selection
- Precision : 1%.

External ammeter :

- 2 ranges **0-1A** and **1-10A**
- Precision : 0.5 %
- The external ammeter has a dedicated menu for measuring the ratio and phase shift of a Current Transformer.

Time measurement :

- Internal START/STOP trigger
- External START/STOP trigger
- free of voltage contact or AC/DC **12 to 250 V**
- precision : 0.02 % \pm 1ms
- range measurement : 9999.999 s

CABLES

VE2000-CA-2M (Imax = 4000A)

2 high flexible copper cables section 4*95mm² (380mm²) 2m length with copper bar termination (4x holes VE 2000 side et 1x hole injection side)
Other length and section are available