

VE 2000-N Current Injection Set

by **COTEL**

- Primary Injection
- Accurate
- Timer/recorder
- Powerful -
4000 A max
6000 VA
- Robust



APPLICATION

The VE 2000-N is a rugged and very powerful injection set which measures **TRMS** and is especially suited for testing transformers via their primaries. It is also suitable for measuring transformer ratios, auxiliaries, bushings and maximum current relays. The instrument incorporates a digital control and measurement module with a chronometer and large graphic display, which enables measurement of time, threshold and CT ratio in an internal flash memory. These records can be archived and consulted later on a PC with windows XP, 2000 & 7, connected by **USB** or **RS232**.

A Current limit can be set using the control module as a safety feature.

The VE 2000-N can measure the True RMS value of the current, and offers advanced chronometric and injection control functions. The timer operation can be started by contacts or a voltage signal.

The standard 3m. injection cables of 4 x 95 mm² section have end clamps, and other cable sizes or types can be provided.

SPECIFICATION

Two Rugged Flight-Cases with wheels & brakes
Control Case 53 x 39 x 36 cm Weight 35 kg.
Power Case 45 x 31 x 48 cm Weight 52 kg.
Power Supply 230 Vac 50/60 Hz. 2P+E
32 Amps for full power, 16 Amps for limited use.
Fusing - power supply by circuit breaker
Injection by electronic control.

The **Output** current is adjusted by auto-transformer

3 Volt output -

2000 A cont., 3000 A/5 min, 4000 A/1 min
Maximum Available Power 8.3 kVA/30 sec.

6 Volt output -

1000A cont., 2000A/1 min, 3000A/20 secs. 4000A/10s
Maximum Available Power 15 kVA/10 sec.
Also 1 and 15 amp outputs at 5 Volts

Measurements

Internally measuring ammeter with two automatic ranges

0 - 400 A and 400 - 4000 A Accuracy 1%

Externally measuring ammeter with two ranges

0 - 1 A and 1 - 10 A Accuracy 0.5%.

This ammeter is linked to a function for measuring the **Ratio, Phase Change and Sense** of CTs.

Chronometer with internal and external stop/start.

Starting by dry contacts or a 12 to 250 V. ac or dc input.

Range 9999.999 sec, accuracy 0.02 % +/- 1ms.

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