

A. T. M. S.

Proven Advanced Technology Solutions

VE 300 AC/DC Current & Voltage Injection Set

by **COTEL**

- Primary Injection
- AC to 1000 A OR 400 V
- DC to 220 A
- Integrated timer/recorder
- Railway Network Use
- Robust & Lightweight



APPLICATION

The VE 300 AC/DC-N is widely used for testing Railway Network protection circuits. It is a rugged and powerful injection set which is particularly versatile since it incorporates AC Voltage and Current plus DC current in one instrument. It is used for testing current transformers by primary injection to verify ratio, accuracy of current measurement, connection of CT to relay, pre-heating thermal relays and earth fault relays, whilst the voltage injection can also be used to verify the CT knee point.

The unit has a digital control and measurement module with a large graphic display, which enables measurement of True RMS current and the use of advanced timing and injection control functions. The results can be recorded in an internal flash memory, and later archived and consulted on a PC with windows XP, 2000 or 7, connected by USB or RS232. A current limit can be set using the control module as a safety feature, and a large choice of injection cables is available for many applications.

SPECIFICATION

Rugged Flight-Case housing
dimensions 57 x 31 x 37 cm Weight 40 kg.

Power Supply 230 Vac 50/60 Hz. Max. 1500VA
Fusing - power supply by circuit breaker
Injection by electronic control.

Generator

The generator can give AC / DC current & AC voltage.

Outputs - the AC current output has two ranges -
6V. Opt. - 300A/90 sec., 450 A/15sec., 600A/10sec.
3V. Opt. - 600A/120 sec., 900 A/20sec., 1000A/15sec.
- the AC voltage output has three ranges
100, 200 & 400 V.
- the DC current output is adjustable up to **220 A.**

Measurements

Internally measuring AC ammeter with two auto ranges
0 - 120 A and 120 - 1200 A True RMS Accuracy 1%

Internally measuring DC ammeter with two auto ranges
0—22 Adc & 22—220 Adc Accuracy 1%

Internally measuring voltmeter with two ranges
0 - 150 V and 150 - 500 V Accuracy 1%.

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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