SIM'COM **CLASS 300**

Universal telephone network emulator

Outstanding performance and a never seen flexibilty

It is truly universal

The CLASS300 is based on the caracteristics that made the CLASS200 so popular : **exceptional performance and ease of use.** CLASS300 is fitted with the most powerful options of its predecessor : adjustable line resistance, FFT analysis, ... and more :

- **Fully independant configuration for each line** : You can for example simulate an «English» network on one line and an «Italian» network on the other line.
- **Network data-base** : Most commonly used networks are stored in a 100 configuration data-base. This data base is regularly updated and accessible via internet. Transfer in the CLASS300 is easily done with a PC link.
- **Enhanced performance** : level meter, polarised and non-polarised ringing mode, range of levels and frequencies upgraded, etc.

It makes your work easier

Thanks to powerful ergonomics, all of the configuration settings can be accessed quickly. Thanks to the configuration data-base it is possible to switch from one complete configuration to an other one instantly. It is also possible to store special configurations in a memory and retrieve instantly.

The SIM'COM CLASS 300 network simulator :

- Incorporates all the functions necessary for the operational testing of a telephone terminal in a compact unit. It frees up your working space, enables you to be operational immediately and to save money compared to standard solutions.
- Fully micro-computer controlled. Drivers compatible with National Instruments' LabWindows CVI or «C» environments are available.

It is essential

The SIM'COM CLASS 300 network simulator is designed for :

- **Development departments**, particularly for developing terminal software; **laboratories** (operational tests); **production** test stations; **maintenance** workshops; **presentation** and **demonstration** sites.

For all types of analogue terminals :

- Telephone, payphone; modem; answering machine; fax machine, etc.

Technical specifications

All parameters are independant for each line

- **2 lines (L1 et L2)** with a switching capability on line 2 (L2A and L2B) depending on the number dialed.
- **Line current** (normal and parking) : 5 to 99mA in steps of 1mA. Display of line current for each line.
- **Line resistance** : 250ohms to 12 950ohms in steps of 100ohms.
- **Line pick-up detection** : From 5 to 99mA. Non detection : 30% below the line pick-up detection.
- **Battery voltage** : 10 to 75V pin steps of 1V (120 V-Option C2).
- **Impedance** : 600Ω (200Ω for 12 and 16KHz - Option D) or external.
- **Tone** : 2 frequencies of 200 to 5 000Hz in steps of 1Hz.Levels : -60 to +10dBm or OFF. Times before "Busy" and before "Parking" from 0 to 250s in steps of 1s.
- **Busy signal** : From 200 to 5 000Hz in steps of 1Hz.
  Levels : -60 to +10dBm in steps of 1dBm.
  ON and OFF time : 0 to 9 990ms in steps of 10ms.
- **Modem connection** : simple connection, or with bell.
- **Gain L1<->L2** : from -60dB to +10dB in steps of 1dB. (Gain L1->L2 and L2->L1 independant - option G)
- **Satellite delay** : From 0 to 2 000ms in steps of 2,5ms.
- **Ringing** : Frequency from 15 to 120Hz in steps of 1Hz.Level : 10 to 70V in steps of 1V.
  ON time : 0 to 9 990ms in steps of 10ms.
  OFF time : 0 to 9 990ms in steps of 10ms.
  Nbr. of rings : 1 to 99 or continuous.
  Polarised and non-polarised mode.
- **«B answer» Signalisation** : Charging signal, polarity reversal, DTMF or single tone (2 frequencies from 200 to 5 000Hz in steps of 1Hz. Level : -60 to +10dBm or OFF. Time from 0 to 9 990ms in steps of 10ms).
- **Charging signals** : 12 and 16 kHz in differential mode,Levels : 5 to 4 000mVeff (e.m.f. value).
  ON time : 0 to 9 990ms in steps of 10ms.
  OFF time : 0 to 999s in steps of 100ms.
  Nbr. of pulses : 1 to 999. Automatic or manual.
  Quantum pulses : 1 to 99 ascribable to each number. Inter-time from 0 to 2 000ms in steps of 10ms.
- **Reversed polarity** : controlled by the detection of line pick-up (with return to normal position when line returns to quiescient state) or via the control panel on the front side. The switch-over passes through a "0 Wait state" (0Ws) which is programmable between 0 and 9 990ms in steps of 10ms.
- **Impairment**: Opening of the line from 0 to 2,5s in steps of 10ms.
- **Detection of DTMF and decimal numbering** (10Hz and 20Hz). Assignment of a call number to each line (17 digits max).
- **Detection of «Flashing»** : from 50 to 400ms and signalisation.
- **Internal numbers with answering machine functions**, for rapid telephonometric testing.
- **Configuration memories** : 10 (EEPROM).
- **Serial link** : RS232C.
- **Power supply** : 230V ±10%. (115/230V - Option B)
- **Temperature range:** operation at 5 to 40 °C.
- **Dimensions** (L x W x D): 350 x 250 x 85 mm.
- **Weight** : 5 Kg approx.