



GS 100

Universal ringing generator

So that your terminal will be operational on telephone networks anywhere in the world.

It is truly universal

The GS 100 universal ringing generator is capable of generating most call signals that are present on telephone networks all over the world :

- The signal can be polarised or non-polarised. It is adjustable for frequency and amplitude, and the sequence repetition rate has four individually adjustable elementary time values.
- Loop current detection and a "burst" mode are an efficient complement.

It makes your work easier

Thanks to powerful ergonomics, all of the configuration settings can be accessed quickly. The most useful configurations can be stored in the memory and called back instantly.

The GS100 universal ringing generator :

- Simplifies your test set-ups. You no longer need to use two or three heavy and cumbersome devices, and you won't have to check the connections of your set-up: the GS100 is ready to use!
- Fully micro-computer controlled. With the optional Pilot'SimCom® telephony-dedicated workshop, you easily create scenarios that you can execute as many times as you like, with traceability and rigour to suit your quality procedures.

It is essential

For designing, fine-tuning and testing the following aspects of any telephone terminal :

- Compliance with the standards of the intended place of use.
- Calling signal detection and non-detection levels.
- Behaviour as a function of calling signal frequency.
- Behaviour as a function of sequencing and disturbance of the calling signal.

Technical specifications

- **Type of call** : polarised or non-polarised.
- **Wave form** : synthesised sinusoid.
- **THD distortion** : 1% max.
- **Signal starting phase** (in polarised mode only) : 0 to 360°. Precision $\pm 3^\circ$.
- **Amplitude** : 10 to 150V rms in steps of 0.1V. Precision $\pm 0.2V$.
- **Frequency** : 10 to 120Hz in steps of 1Hz. Precision < 0.5% from 10 to 100Hz and < 1% from 100 to 120Hz.
- **Internal impedance** : 100 Ω per winding, i.e. a source impedance of 200 Ω in normal operation with the two windings in series. 100 Ω (amplitude from 5 to 75Vrms) for a single winding. 50 Ω (amplitude from 5 to 75Vrms) for the two windings in parallel.
- **Sequencing** : 4 times per period, individually adjustable from 0 to 65s in steps of 10ms.
- **Signal stop** : by external contact or loop current detection - delay adjustable from 0 to 65s in steps of 10ms.
- **Burst mode** : N = 1 to 99.
- **Configuration memories** : 9 (EEPROM).
- **Output** via double wound transformer.
- **Loop current detection**: may or may not be used to stop the calling signal (detection at 10 mA approx.).
- **Serial link** : RS232C. USB available as an option.
- **Power supply** : 230V $\pm 10\%$ (115/230V - Option B).
- **Temperature range**: operation at 5 to 40 °C.
- **Dimensions** (L x W x D): 250 x 250 x 85 mm.
- **Weight** : 4.65 kg approx.