

- Small, powerful and affordable universal 33kHz signal generator
- For all kind of tracing of cables and wires
- Can be connected to live 400V wires
- For indoor and outdoor use



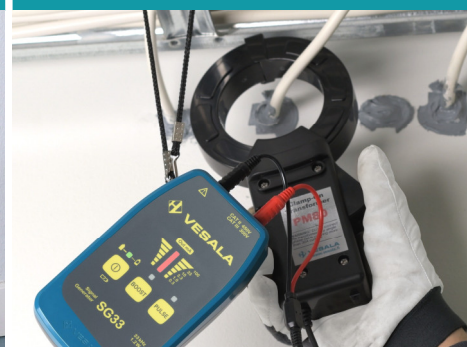
Connect SG33 directly to mains wires in an electrical cabinet...



...or use the special Schuko cord to trace wall socket wirings...



... or use a clamp on transformer if the cable ends are unreachable.



33kHz signal generator for everyone

SG33 is Vesala's new, improved general purpose signal generator for cable tracing. It is at its best when used with the Vesala CL43 compact locator but it can be used with other brand 33kHz locators as well. SG33 is small in size so it will fit in places where other bigger transmitters would be too clumsy, such as small cabinets, and during indoor use.

SG33 is very powerful: In Boost mode its output power corresponds to many big outdoor use focused transmitters.

Where to use SG33

Together with the CL43 locator SG33 can be used for a variety of tasks such as:

- Tracing mains cables and wires indoors and outdoors
- Identifying circuit breakers and fuses in electrical cabinets
- Tracing telecom cables and identifying wire pairs
- Tracing floor heating cables



Cable identification on shelves



Tracing underground cables

Technical specifications

Output signal

33kHz (32,768Hz), output level max. 30V (in Boost mode), max. current 220mA (in Boost mode). Max. output power 1.7W. Output signal either continuous or 4Hz or 8Hz pulsed

Output impedance

180ohm @ 33kHz / 23 kΩ @ 60Hz, 450V

Connectors and indicators

2pcs. 4mm safety banana sockets, 6 LED bar for output current, power on LED, Boost mode LED and Pulse mode LED

Batteries and power consumption

6pcs, 1.5V IEC LR6 alkaline batteries (or similar HR6 NiMH cells or FR6 Li-FeS2 cells), 10 ... 300mA

Enclosure and weight

ABS+PC, size approx. 155 x 90 x 50mm, weight approx. 440g (with batteries)

Measurement categories, degree of protection

CAT III 300 V, CAT II 450 V.

IEC 60529 IP67 (not operational)

Environmental conditions

Usage -10°C...+40°C (dry or damp conditions), storage -20°C...+40°C, 10...90 % RH non-condensing

SG33 can be connected to telecom cables and even directly to 400V live mains wires. With clamp-on transformer e.g. underground cables are equally reachable.

Unlike most 33kHz transmitters, SG33's output signal can be switched to 4Hz or 8Hz pulsed mode. Pulsed signal is often easier to distinguish from noise. Furthermore pulsed modes enable using the two transmitter method to pinpoint wire cuts in cables.

Accessories make it complete

There are several accessories available for SG33 to widen its use even further:

- S3TB Test lead for schuko sockets
- PM50 and PM100 Clamp-on transformers for cables with up to 50mm or 100mm diameter
- SY33 Inductive coupler for buried cables
- SPA10 Flexible antenna for locating ducts



SG33 carrying bag

If SG33 is to be used frequently with CL43 locator, it is suggested to acquire the CT33 equipment. It readily includes both SG33 and CL43 units and their basic accessories to make it a full featured cable tracing equipment. As CL43 is compatible with all Vesala's duct sondes, CT33 package is an excellent starting point also to duct tracing.

SG33 replaces the previous CTT33 compact transmitter with improved signal output and safety features.

SG33 user interface

SG33 has a simple user interface with only three buttons and few LED indicators.

