

- Small, powerful and affordable universal 33kHz transmitter
- For all kind of tracing of cables and wires
- Can be connected to live 230V wires
- For indoor and outdoor use



Connect CTT33 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 transmitter for everyone

CTT33 is Vesala's new general purpose cable tracer transmitter. 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. CTT33 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.

CTT33 is powerful: In Boost mode its output power corresponds to many big outdoor use focused transmitters.

Where to use CTT33

Together with the CL43 locator CTT33 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 20Vrms (in Boost mode), max. current 170mA_{rms} (in Boost mode). Max. output power 1.3W. Output signal either continuous or 4Hz or 8Hz pulsed

Output impedance

100ohms @ 33kHz, 18kohms@50Hz

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 NiMH cells), 11 ... 225mA

Enclosure and weight

ABS, size approx. 155 x 90 x 50mm, weight approx. 400g (with batteries)

Appliance class

Rated voltage 250Vrms. Over voltage class CAT II 250V, enclosure protection rating IP55

Environmental conditions

Usage -20...+40C (dry or damp conditions), storage -40...+60C (dry conditions)

CTT33 can be connected to telecom cables and even directly to 230V live mains wires. With clamp-on transformer e.g. underground cables are equally reachable.

Unlike most 33kHz transmitters, CTT33'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 CTT33 and CL43 to make the setup a full featured cable tracing equipment: For CTT33 there is a selection of feeding cords and clamp-on transformers and for CL43 several probes are available. As CL43 is compatible with all Vesala's duct sondes it is also an excellent starting point to duct tracing.



CTT33 user interface

CTT33 has a simple user interface with only three buttons and few LED indicators.

Output connectors:
2 pcs. 4mm safety banana jacks

Battery compartment
is located at the back
of the device.

Display for output current
0.3mA...100mA

Power button and indicator
and low battery warning

Boost mode button and indicator
Pulse mode button and indicator

