

EZiTRACE - Direct Connection

Warning Always read the User Manual.

(This can be downloaded from: www.cabledetection.co.uk/downloads)

What am I doing?

Directly connecting the EZiTRACE to the service to be traced using an appropriate accessory.

What is it for?

Active tracing - applying an 8 or 33 kHz tracing signal directly to a buried service with a local ground earth return so that it can be picked up by the EZiCAT. The service in question may not have a signal running through it at the time of searching. (e.g. a

street lamp during daylight hours)



Why do I need it ?

- Results in the strongest tracing signal and/or to overcome interference signals
- Enables service identification when tracing from the point of connection
- Provides the most accurate pinpointing of services in congested situations
- Minimises the potential for coupling the signal onto adjacent services
- Maximises tracing distance

How do I use it?

- Plug the direct connection lead set of the crocodile clips into the EZiTRACE and select 8 or 33 kHz mode
- Attach the clip on the red cable to the metallic service, use the magnet built into the clip if you are working with a large diameter pipe
- Push the earth pin into the ground at 90 degrees and > 1m away from the service and clip the black cable onto it.
- The output tone from the EZiTRACE will go from pulsed to continuous to indicate a good tracing signal. Check clip connection and ground earth if the tone remains pulsed and the output signal is poor
- Using an EZiCAT Locator, select the same operating mode as the EZiTRACE and trace the signal away from the connection point



How does it work?

An electrical circuit is formed between the buried service, capacitive coupled to the ground and the earth pin. The EZiTRACE signal flows along the service and through the ground back to the earth pin. The audio tone changes from pulsed to continuous when electrical current flows

NOTE: When connecting to a pipe with insulated joints the 33 kHz mode signal will enable greater tracing distance

WARNING => the connection lead should never be connected directly to a live service

What do I need?

EZiTRACE Signal generator
Any model EZiCAT Locator
Appropriate Accessory

