

Detection of existing gas network with RD 8000

Here is the procedure to detect a copper connection in the secondary part in order to be able to create a trench.

1. Locate a flush so that you can connect the RD 8000 for detection.
2. Take out the material: the emitter box which will send the signal in the copper and the receiver to find it on all the route.
3. Retrieve the cords: the red is to connect to the copper and the black should be positioned on the grounding rod perpendicular to the connection that must be found.
4. Switch on the transmitter and set the frequency to 640 Hz. Check in parallel that the grounding is good. Then set the receiver to the same frequency.
5. Look for the connection furthest from the signal and sweep the area where it could be. Mark the ground mark with a dot and the distance in centimetres to where the copper is. Repeat the operation several times as you approach the emission.
6. After the identification, mark arrows on both sides of the copper to indicate the areas that need to be excavated.
7. Finally, position yourself on the public domain to identify the copper.

The operation is finished: the copper detection zone is defined, the trench can then be dug.