

Operating Instructions

Box Locator AQUA

With the Valve Box Locator **AQUA** distortions of the earth terrestrial lines of force by ferromagnetic metals (steel, iron, cast iron) are being indicated. This makes the detection of objects possible. The display (swinging of the needle) depends on the amount of metals, thus with an increasing amount of metals a higher display is being reached.



Handling the device

- Hold the device with the lateral skala pointing upwards.
- Turn the device until the red needle points to "N", and remember this "north-pointing" direction.
- Now turn the device so that the upper skala points upwards.
- Turn the device until the imprinted arrow in the case points into the North direction.
- The red needle sets itself at app. "90 - 85".
- Device to be carried as shown in the illustration. Distance from ground 1 - 2 cm.
- For the entire detecting process the north-pointing direction must **always** be kept.

Detection

The area is being surveyed in parallel lines. These lines are to be followed in a north-south direction, they are apart from each other between 30 and 40 cm.

- At the reaction of the needle, the spot where the needle has its highest deflection must be noted.
- From this point the survey is to be continued in a right angle to the previous direction. The spot of the object will have been located where the needle reaches the highest deflection.

Special Features

In the vicinity of high voltage installations electrical interferences can sometimes occur in which case the red needle may set itself only just on 70 and not on 90 - 85, despite the exact handling of the device towards the "north-direction. This fact does not hinder the search action. In most cases the red tip of the needle will appear once the device will be above the spot of the object.

The chromium-plated frame on the upper part of the synthetic body of the instrument can be opened up and used as a handle. This is recommended for such areas where shrubs or other obstacles could hinder the work while the instrument is in its case with its strap.



To retain the durability and performance of this instrument fully, it is recommended to use it with the case which will also prevent the instrument from receiving scratches and other damage. The instrument should not be stored near ferrow-magnetic objects (like steel shelving). This could cause the magnetizing of the needle to diminish.