

ABSTRACT

The invention relates to a measuring device for measuring a hole in the ground. This measuring device has at least one measuring probe that can be lowered into the hole, the measuring probe having at least one measurement signal transmitter to transmit a measurement signal and at least one measurement signal receiver to receive the measurement signal reflected on a wall area of the hole. The measuring device further has an evaluation unit for determining a wall distance between the measurement signal transmitter and the wall area of the hole, wherein a measuring distance based on an assignment rule can be assigned to the received, reflected measurement signal. Furthermore a calibrating means connected to the measuring probe is provided, which has at least one calibration element. The measurement signal transmitter is designed to transmit a calibration signal, which can be reflected on the calibration element, wherein the measurement signal receiver is designed to receive the calibration signal reflected on the calibration element. The evaluation unit is designed to change and calibrate the assignment rule based on the calibration signal reflected and received by the calibration element.