

# EARTH MEASUREMENT MADE EASY

HIGH-PRECISION EARTH AND  
LOW-RESISTANCE MEASURING  
INSTRUMENTS



## GEOHM SERIES

GEOHM XTRA • GEOHM PRO



FOR ALL COMMON EARTH  
MEASUREMENT METHODS



## HIGH-PRECISION EARTH AND LOW-RESISTANCE MEASURING INSTRUMENT

All common earth measurement methods can be easily and reliably implemented with the GEOHM PRO and the GEOHM XTRA. Thanks to extensive measuring accessories, earth measurements and resistance measurements can be easily implemented in any environment at any earthing or lightning protection system without disconnecting the earth electrode. Furthermore, a professional earthing analysis can be conducted on the basis of measured interference voltages and interference frequencies.

In combination with the integrated GPS module, all measured values are saved together with GPS coordinates by the GEOHM XTRA.

### YOUR ADVANTAGES

- **COST SAVINGS** – a single instrument for numerous measuring tasks
- **TIME SAVINGS** – simple troubleshooting thanks to professional earthing analysis
- **EASY HANDLING** – thanks to intuitive user prompting, graphic display and help function
- **QUICK REPRODUCIBILITY** – thanks to modern data management
- **RUGGED MEASURING CASE** – for use in adverse environments and for easy transport

GEOHM PRO  
ARTICLE NO. M592A

GEOHM XTRA (WITH GPS MODULE)  
ARTICLE NO. M592B

Information regarding packages and accessories is included in the data sheet.

# HIGHLIGHTS

The measuring method for testing lightning protection systems under highly realistic conditions based on different variants of the pulse measuring method is noteworthy. Furthermore, a professional earthing analysis can be conducted on the basis of measured interference voltages and interference frequencies. Measurements with various measuring methods:

- Earthing resistance by means of 3/4-wire measuring method
- Selective earth resistance by means of 3-wire measuring method with current clamp / advantage: no influence on parallel earth electrodes!
- Earth loop resistance with 2 current clamps or Rogowski coils, up to 4 m / advantage: no need to disconnect the earthing system!
- Soil resistivity according to the Wenner method – for the preparation of soil assessments
- Leakage current / current measurement by means of current clamp or flexible current sensor
- Low-resistance measurement with  $\geq 200$  mA per EN 61557-4 / VDE 0413-4
- Interface (NEXONIQ converter) to IZYTRONIQ test software for easy, legally secure and convenient documentation and management of test results



# APPLICATIONS

All common earth measurement methods can be easily and reliably implemented with the GEOHM PRO.

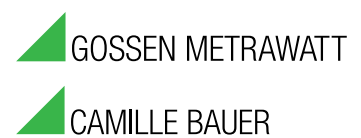
- 3/4-wire measurement
- Selective 3-wire measurement
- 4-wire measurement via pulse method
- Earth loop resistance via 2-clamp method
- Soil resistivity according to Wenner
- Current measurement with clamp meter and low-resistance measurement with 200 mA

Thanks to extensive measuring accessories, earth measurements and resistance measurements can be easily implemented in any environment at any earthing or lightning protection system without disconnecting the earth electrode.

## SCOPE OF DELIVERY

- 1 GEOHM PRO or GEOHM XTRA
- 1 Carrying case
- 1 Measurement cable, 1.2 m, red
- 1 Measurement cable, 2.2 m, black
- 2 Alligator clips, red and black
- 2 Measurement cables, 25 m, red and green
- 1 Measurement cable, 50 m, blue
- 4 Earth drills, 30 cm
- 1 USB cable
- 1 Automotive charging cable
- 1 Screw terminal
- 1 Power pack
- 1 Set of operating instructions
- 1 Calibration certificate

**GMC INSTRUMENTS**



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