

PRODUCT INFORMATION



# METEX 4.251

FLEXIBLE LARGE LOOP METAL DETECTOR

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proof.

## Product Description

The METEX 4.251 is an active EMI metal detector for targets at depths up to 3.3 m. Its large flexible search coil allows the detection of all conductive metal types regardless if you search in soil or shallow water.

Due to its larger power output the main purpose of the METEX 4.251 is to locate objects that cannot be detected by conventional mine detectors due to their larger depth. Because of the special design the flexible METEX 4.251 coil is superior to other loops with larger diameters. It offers a demountable design for easy transport in difficult environment.

## Characteristics

- Electro-magnetic pulse induction technology (EMI)
- High sensitivity for all kind of metals in soil or shallow water
- Automatic tracking function for soil compensation
- Simultaneous operation of multiple systems in close vicinity possible
- Best sensitivity for all object sizes and maximum search depth without any adjustments of the search coil shape
- Coil diameter provides track overlapping and save detection of objects at track edge within 1m tracks
- Detection depth up to 3.3 m depending on size, geometry, orientation of the target and soil/environmental conditions
  - 25 mm HE: up to 0.7 m
  - BLU26: up to 1.0 m
  - 155 mm HE: up to 2.5 m
  - Mk 82: up to 3.3 m

## Flexible Coil

- Diameter approx. 1.36 m
- Demountable
- 2.5 m connection cable to control unit
- 2 carrying straps for handling by 2 operators



## Control Unit

- Analogue meter indication of target detection, soil tracking range and battery status
- Adjustable audio indication of target detection, switched off when using headphones
- Manual offset compensation
- Adjustable parameters like: transmitting power, gain, evaluation time and pulse frequency
- Carrying harness



## Product Packages

### METEX 4.251

- Control unit with carrying harness
- Demountable coil with 2.5 m connection cable
- 2 carrying straps
- Rechargeable battery pack
- Battery charger
- Test piece
- Rugged case and bag
- Operator manual



### Accessories

- Additional battery pack
- Optional headphone

## Technical Specification

### METEX 4.251

Weight (Masses)	Coil 3.9 kg Control unit incl. battery pack: 3.15 kg
Dimensions	Coil Ø x H 1360 x 140 mm Control unit incl. battery pack L x W x H 280 x 235 x 103 mm
Temperature ranges	Storage temperature - 30 °C to + 70 °C Operation ambient temperature - 25 °C to + 60 °C
Power supply	Voltage 12 V DC rechargeable battery pack
Operating time at 25 °C	Up to 10 hours
Protection grade	Coil IP 67 Control unit IP 65

### CE-Qualifications

European Directive 2004/108/EC: Electromagnetic Compatibility Harmonized Standards

European Directive 2011/65/EU: RoHS

DIN EN 61326-1:2013

DIN EN 55011:2011, class A, group 2

DIN EN 61000-4-3:2011

DIN EN 61000-4-2:2009

DIN EN 61000-6-2:2006

### Institut Dr. Foerster GmbH & Co. KG

In Laisen 70, 72766 Reutlingen

Germany

t +49 7121 140-0

f +49 7121 140-488

info@foerstergroup.com

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[foerster-detection.com](http://foerster-detection.com)

[foerstergroup.de](http://foerstergroup.de)

