

Metal Detector

TM-93



The TM-93 and TM-D are high sensitive metal detectors destined for field use in army pyrotechnics, civil engineering, waste materials localization and archaeology. They allow survey and dimensional discrimination of magnetic and electrically conductive nonmagnetic targets buried in ground or shallow water.

The TM-93 and TM-D are based on pulse induction method with the evaluation of the transient effect. The possibility of flexible settings of working parameters enables to reach results that are very close to the theoretical limit of the used method. TM-93 and TM-D instruments continue in the tradition of TM metal detectors made in Geofyzika with results confirmed by long practice and trials carried out by police and military authorities.

The TM-93 and TM-D (computerized version) with their enhanced capabilities for the rough estimate of weight and size of detected objects provide a user with contemporary professional tools for the reliable, efficient and cost effective survey of metal targets.



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REPRESENTED BY:

Technical Specifications

DETECTION TYPE:

- ferrous and nonferrous metal objects

DEPTH PENETRATION:

- theoretical maximum till about 5 m (large conductive horizontal plate)
- 100 mm iron disk till about 1 m
- 25 mm steel paper clip till about 200 mm

SENSOR:

- air - cored coil

OPERATING FREQUENCY:

- 512.1 Hz (quartz)
- 509 to 530 Hz (tuned)

POWER SUPPLY:

- 12 V/ 2 Ah (lead - acid battery)
- max. 5 W consumption
- life time till 40 hours (TM-93)
till 12 hours (TM-D)

CHARGER:

- 230 V/ 50 Hz or 115 V/ 60 Hz
- internal voltage stabilization and level checking

WEIGHTS:

- working - 3.2 kg (with 0.5 m coil)
- shipping - 11 kg

DIMENSIONS:

- main unit - 240 x 65 x 180 mm
- transport suitcase - 570 x 570 x 140 mm

AMBIENT OPERATING CONDITIONS:

- -25 °C to 50 °C
- main unit - dropping water resistant
- coils - water submersible



Standard accessories:

- little, medium and large circular coils
- carrying rod with handle
- harness
- ZERO button
- calibration bit
- earphones
- charging transformer
- transport suitcase

Optional accessories:

- 1 x 1 m square coil
- shift handle with button
- elbow cup
- extension rod
- transport back pack



TM-93 & TM-D Metal Detectors

Ammunition detection
Search for metal pipelines and networks
Environmental protection
Archeology
Criminology
Customs checking



The TM-93 & TM-D instruments family is designed
for sensitive metal explorations in professional practice.