CODETEL
DÉTECTION - SÉCURITÉ - PROTECTION
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DATA ACQUISITION SYSTEM WITH METRIC REFERENCEMENT

This data acquisition system collects and evaluates magnetic or electromagnetic measurements. It was developed for locating of unexploded ordnance underground or underwater.

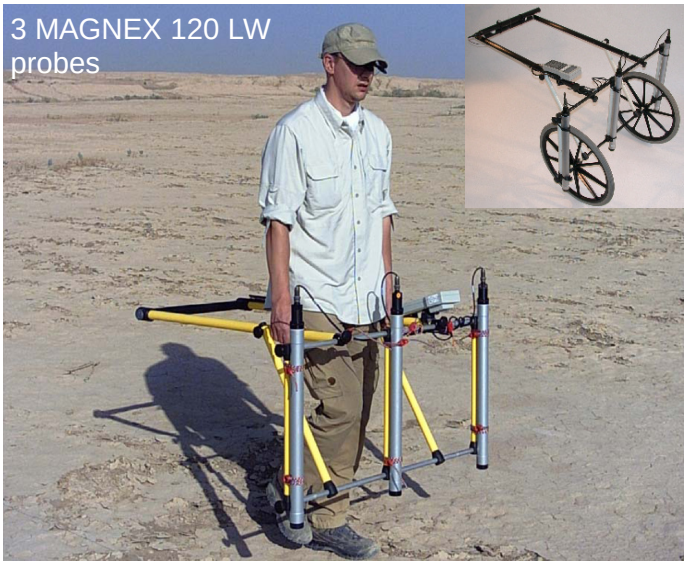
This system allows to create a magnetic or electromagnetic map of the area, to locate the targets and to extract their features. This system enables to cover large areas in a short time, with such a density of measurement points to successfully detect contamination.

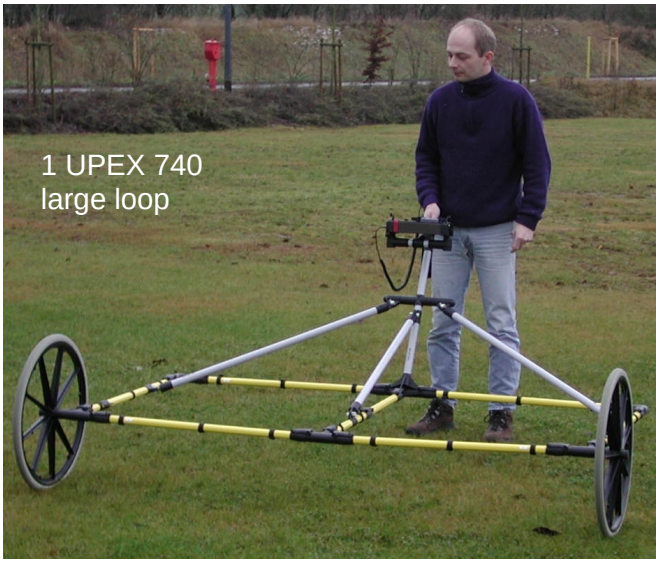
The data acquisition system consists of :
- one or several sensors (5 maxi) : MAGNEX 120 LW magnetometer probes (NSN 6695-12-349-1502) or UPEX 740 large loops.
- a frame holder of synthetic material, which can be equipped, as an option, with a non-magnetic set of wheels.
- an interface **DLM-98** (NSN 6695-12-335-3384) which allows to record the measurement data from the sensors. Even under the most extreme weather conditions, the DLM-98 can work without restriction.

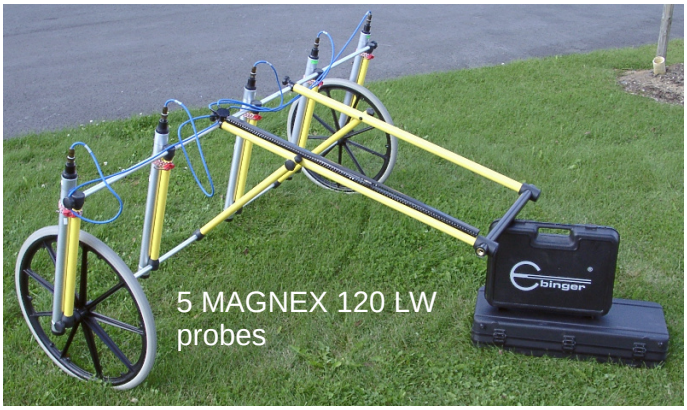
Interface DLM-98

After measurements, the data are transferred into the PC in a few seconds trough a RS-232 connection. The **MAGNETO 2.0x** software allows to process the measurement data (see page about software).

The data recording system exists in several alternative configurations. Some of them are presented below :


3 MAGNEX 120 LW probes


1 UPEX 740 large loop



5 MAGNEX 120 LW probes

TECHNICAL DATA

MAGNEX 120 LW PROBES
Length 655 mm x Ø 45 mm - Weight 960 g
Military rugged design, waterproof at 100 metres
Maximum detection range : 500 Kg bomb at 5-6 m deep

LARGE LOOP UPEX 740 M
Search loop : Ø 2550 mm
Detection range in air : 250 kg bomb at 3,5 m

DLM-98
Dimensions 211 x 100 x 55 mm - Weight 500 g
Power supply : 4 dry batteries 1,5 V type LR6
Display : 4 x 16 characters with backlight