

PRODUCT INFORMATION



FOERSTER MULTICAT[®] 4.850

PROBE CARRIER SYSTEM FOR LARGE-AREA SURVEY



proof.

Product description

The FOERSTER MULTICAT 4.850 is a robust non-magnetic probe carrier that can carry up to 8 FEREX probes for fast and precise detection over wide areas. It uses the same probes as the FEREX product family. An open design for GPS systems of different manufacturers, together with the DATAMONITOR 4 navigation software, makes the FOERSTER MULTICAT a perfect solution for large-area survey.

Characteristics

- Robust system for almost any terrain and conditions
- Recording of geo-referenced magnetometry data
- Track width 2 m or 4 m
- Probe to probe distance 0.25 m or 0.5 m
- Sampling rate allows enables maximum area performance
- Ground coverage about 2 hectares per hour with the basic system
- Designed to be used in any terrain suitable for 4-wheel-drive vehicles

System components

- FOERSTER MULTICAT 4.850 probe carrier
- FEREX probes
- FEREX PNC with 1-2 FEREX controller
- DATAMONITOR 4 Software
- Rugged Laptop or Tablet
- Differential GPS



FOERSTER MULTICAT 4.850 probe carrier

- Robust non-magnetic design
- 2 m track width with 4 - 8 probes
- Optional 4 m track width with 8 probes
- Dismountable for transport in a station wagon

FEREX MG-10-550 Probe

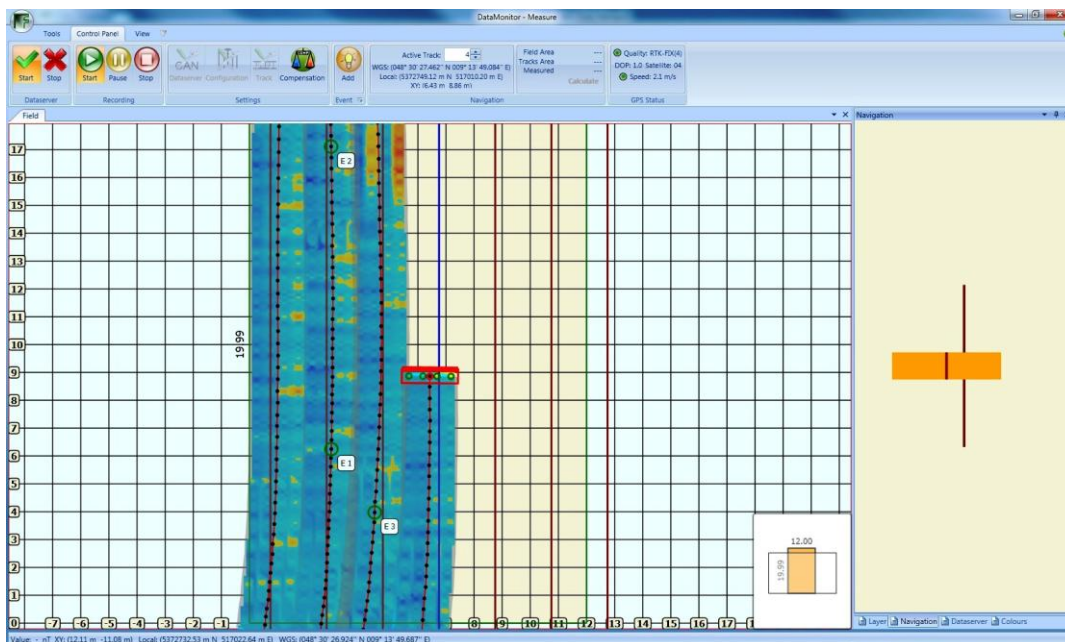
- Same probe as known from the FEREX product family
- Bandwidth of 230 Hz for high recording speeds
- High sensitivity, with a low noise level of less than 1nT, not only allows for the detection of UXO but also for other weak magnetic anomalies

FEREX PNC

- Networking for up to 2 FEREX 4.034 controllers
- USB interface for simple and secure computer connection
- 12 - 24V DC power supply
- GPS interface
- Up to 8 FEREX MG-10-550 probes per FEREX PNC

DATAMONITOR 4 Software

- Definition of projects and survey grids at the office or in the field
- Simple handling of irregular shaped grid geometries
- Free navigation or along defined optimized tracks
- Start, pause and stop at any time, resume of paused projects at any time
- Online display of sensor data
- Event button for saving comments with position data and timestamp
- Simple data exchange with DATA2LINE evaluation software



Technical Specifications

FOERSTER MULTICAT 4.850	
Dimensions	L x W x H 5.1 x 2.5 x 0.9 m
Dimensions (packed for shipping)	L x W x H 2.3 x 0.9 x 1.3 m
Weight	Approx. 150 kg
Recommended maximum travel speed	10 km/h (7 mph) Higher speed possible - can cause higher wear and tear of axle bush depending on operation environment
Track width	Basic system: 2 m With mechanical extension kit: 4 m
Number of probes	4 with probe to probe distance 0.5 m (track width 2 m) 8 with probe to probe distance 0.25 m (track width 2 m) 8 with probe to probe distance 0.5 m (track width 4 m)
Probe	FEREX MG-10-550
Probe technology	Fluxgate gradiometric probe
Bandwidth	230 Hz
Noise	<1nT pp
Protection grade	IP 68, 100 m with optional sealing plug
FEREX PNC	
Controller technology	FEREX 4.034 with 24 bit ADC
Number of probes	1 - 8 probes with one FEREX PNC 9 - 16 probes with two FEREX PNC
Sampling rate	300 Hz per probe
Power supply	12-24V DC
Protection grade	IP 65
Differential GPS	Various manufacturers
Data protocol	NMEA 0183
Accuracy	RTK FIX

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