

CONES

BXP/TFG INTRUSIVE MAGNETOMETER SYSTEM

The Intrusive Magnetometer System is used to survey for UXB (unexploded bombs) across a range of environments including, Rivers (and Riverbanks), Land, Harbours, Railways, Tidal and Near Shore Marine.

The BXP/TFG probe is highly sensitive three-component Fluxgate Magnetometer System which can be deployed from a variety of platforms. The system has high detection capabilities, which in most environments has the ability to detect a 50kg WWII bomb at 2 metres from the probe. Surveys can be conducted to the maximum bomb penetration depth with high survey productivity rate.

The Computerised Intrusive Magnetometer Survey allows for the real time control of survey data with excellent data quality and is CAD compatible.

SPECIFICATIONS

DATA ACQUISITION	<ul style="list-style-type: none">> DATA RECORDED IN REAL-TIME FOR RAPID INTERPRETATION> HIGH FREQUENCY FILTERING> SENSITIVITY 0.1 NT> SAMPLE INTERVALS OF AS SMALL AS 0.5MM TO PROVIDE EXCELLENT RESOLUTION OF THE MAGNETIC FIELD
SENSOR UNIT	<ul style="list-style-type: none">> PASSIVE MAGNETOMETRY USING FLUXGATE MAGNETOMETERS> DYNAMIC RANGE OF $\pm 250,000$NT> ± 12V REQUIRED TO POWER SENSORS> HOUSED IN HIGH-GRADE NON-MAGNETIC STAINLESS STEEL> INCLINOMETER TO ENSURE VERTICALITY> 56MM PROBE DIAMETER
PLATFORMS	<ul style="list-style-type: none">> HEAVY CPT TRUCKS> CRAWLER RIGS> JACK-UP BARGES> SPECIALLY MODIFIED PLATFORMS> ROTARY DRILLING RIGS> MAY BE USED WITH A VEHICLE WITH SIGNIFICANT MAGNETIC NOISE



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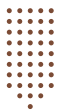
SPECIFICATIONS

INTERPRETATION

- > IN SITU'S SOFTWARE HAS BEEN DESIGNED TO MATCH THE MAGNETIC FIELD MEASUREMENTS EXPECTED FROM UXBS
- > REAL TIME DATA DISPLAY USING AGS LOG SOFTWARE
- > ON SITE INTERPRETATION USING AGS LOG SOFTWARE
- > MAP GENERATION WITH SURVEY POSITIONS (ANY CO-ORDINATE SYSTEM)
- > ANOMALY MODELLING:
 1. DEPTH BELOW GROUND LEVEL
 2. DISTANCE IN THE X,Y PLANE FROM THE PROBE TIP
 3. THEOROTICAL MASS OF OBJECT
- > RAW MAGNETIC DATA IF REQUIRED TO IMPORT IN TO ALTERNATIVE SOFTWARE



Marine Example: Intrusive survey from a jack-up barge on Westminster Bridge, London



IN SITU SITE INVESTIGATION

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