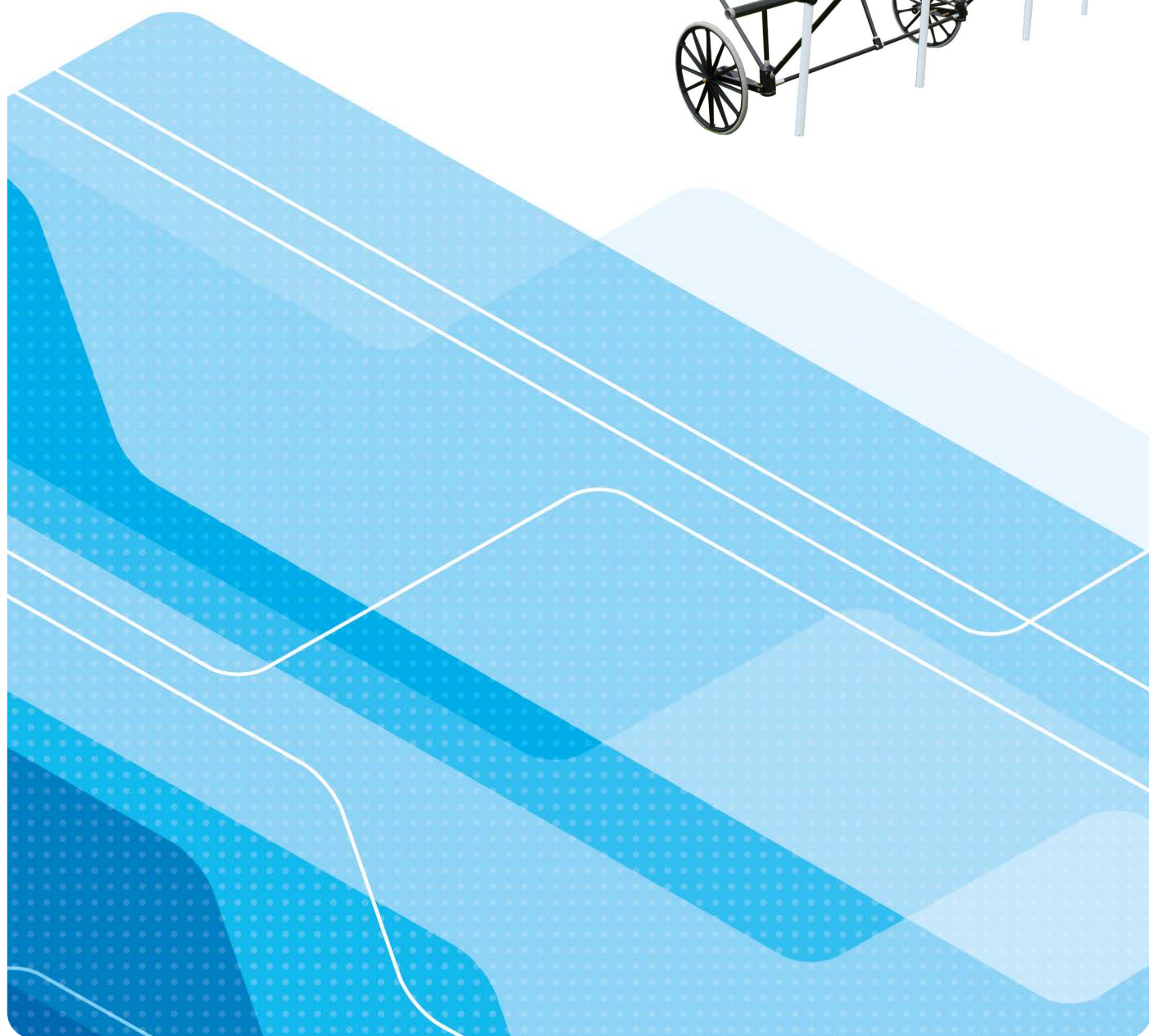
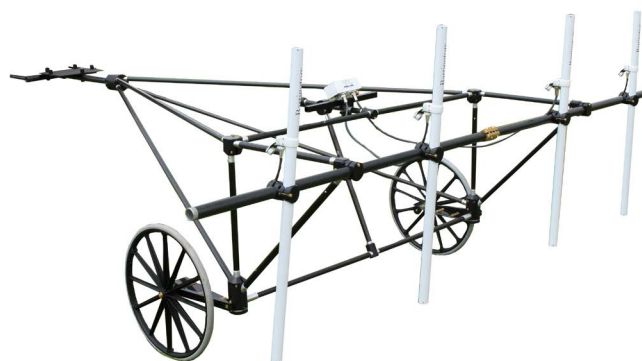


# Non-Magnetic Cart





## Non-Magnetic Cart

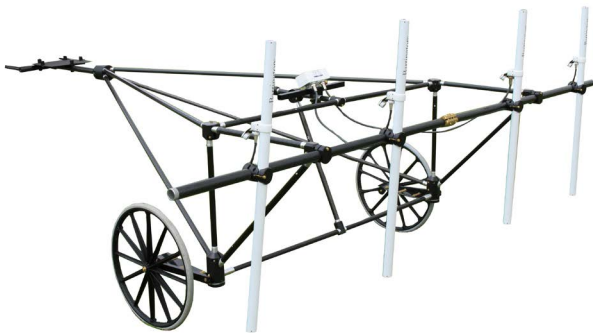
This lightweight cart is designed to carry up to 12 Grad-13 or Grad-01 gradiometer sensors, together with all necessary data logging equipment and battery boxes.

Moveable, quick release clamps allow sensors to be attached to the sensor bar in any reasonable number or configuration.

The carbon fibre frame can be quickly assembled and configured either to be manoeuvred by hand or towed behind a vehicle. The towing attachment adds approximately 4m to the length of the cart to further reduce the magnetic signature of the towing vehicle onto the sensors.

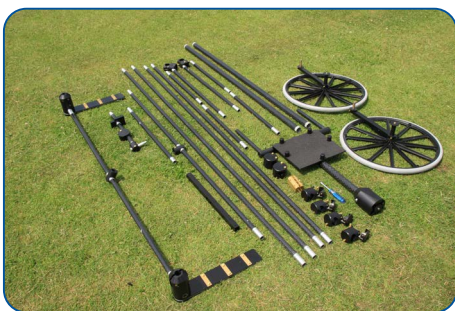
The suspension incorporates a self-damping system, and suspension stiffness can be varied for different loads and terrain conditions by interchangeable leaf springs. The wheel and suspension bearings are self-lubricating.

The cart is manufactured by OXP Limited and is available exclusively from Bartington Instruments Ltd.



## Features

- Lightweight carbon fibre frame
- Easy conversion from push/pull- to tow-cart
- Rugged, self-damping suspension for smooth sensor operation, variable for different loads and terrain conditions
- Self-lubricating wheel and suspension bearings
- Quick release sensor system
- One tool (10mm AF socket tool) operates all clamps with standard screw size
- Disassembles to <2.3m (max) length for easy transport



## Typical Applications

- Archaeological surveys
- Near surface geophysical scanning

## Specifications

|  | Push cart   | With tow attachment |
|--|---|---------------------|
| Weight of cart in standard configuration (up to 4 sensors) | 20kg  | 29kg                |
| Length   | 3m  | 6.85m               |
| Width (sensor bar)   | 2m, or 4m consisting of 2 x 2m sections   |                     |
| Recommended maximum sensor capacity*                       | 12  |                     |
| Sensor bar maximum load                                    | 12kg  |                     |
| Data logger / battery bracket maximum load                 | 4kg each  |                     |
| Construction   | Carbon fibre tubes: Ø 25mm, capped with aluminium plugs and ferrules<br>Acetyl clamps<br>Integral brass or titanium steel M6 screws |                     |
| Sensor mounting  | Quick release clamps available for Grad-01 or Grad-13 sensors*  |                     |
| Wheel track width  | 1.85m   |                     |
| Wheel diameter   | 0.6m  |                     |
| Maximum tube length  | 2.215m  |                     |
| Tow cart coupling  | 50mm diameter ball (standard)   |                     |
| Clamp operation  | 10mm AF tool operates all clamps  |                     |

\* Customers must state desired number of sensors at order. The cart suspension and the quantity of battery and data logger brackets supplied will be adjusted accordingly. Carts can be modified after delivery where necessary to accommodate more or fewer sensors. Contact Bartington Instruments if this is required.

## Safe Handling Guidelines

- Not for towing on highways or public roads.
- Speed should be appropriate to terrain conditions.
- Not to exceed speeds of 20km/h (12mph).
- Not for transporting any items other than scientific sensors and connected equipment.

## Acquisition Software

Compatible software for collection of GPS and Gradiometer data when using the Cart are also available. Please contact Bartington Instruments for more information.

The specifications of the products described in this brochure are subject to change without prior notice.

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