

CX12 GPR controller Data Sheet

The Mala CX12 is a comprehensive high frequency Ground Penetrating Radar (GPR) controller specifically designed to help assess the integrity of standing structures.



CX12 being used to identify any cavities behind a breeze block wall.

The CX12 can be deployed with any of the Mala high frequency shielded bowtie antenna (1.2, 1.6 & 2.4GHz) and can be equipped with a complimentary 50/60Hz EM sensor for detecting live mains cables. As part the Geomatrix Earth Science rental pool we can offer a CX12 system with 2.3GHz antenna which suits both structural engineering and historic building management projects.

Features

- Simple and quick deployment. The rugged compact design leads itself to be deployed in small difficult spaces or on scaffolding.
- 2D, 3D/Grid and Object Mapper projects.
- Intuitive semi automated data acquisition and QC/QA software. Including hyperbola diffraction tool for velocity analysis and time/depth slicing.
- Automatic time zero adjustment.
- One turn/push button operation.

- Download and export data to third party software for further data analysis.
- Remote operation using buttons on the antenna grip.
- USB data download.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	56cm x 46cm x 26cm	17kg

Technical Specifications

Recording Channels:	1.
Antenna Range:	1.2, 1.6 or 2.4GHz. only the 2.4GHz antenna is available for rental.
Pulse Repetition frequency:	100kHz.
Data bits:	16.
Sampling frequency:	6-700 GHz.
Acquisition mode:	Distance/time/manual.
Operating time:	3 hours per battery or indefinite when running on main supply.
Operating temperature:	-20 to 50°C
EM Option:	50/60Hz sensor (sensitivity 300uV, 14 bits). Not available for rental.