

MALÅ ConcreteExplorer

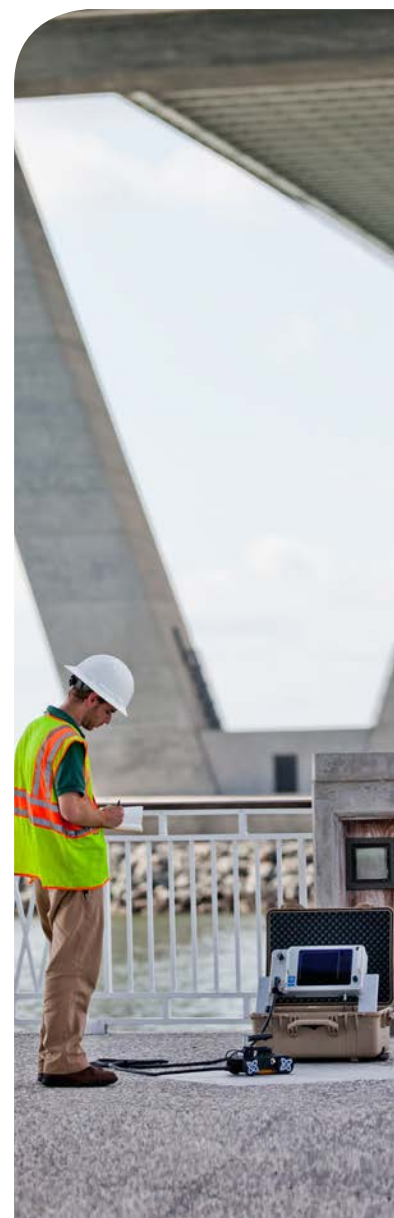
GROUND PENETRATING RADAR

Cost efficient investigation of concrete structures

MALÅ ConcreteExplorer (CX) system is an easy-to-use GPR system designed for the non-destructive investigation and imaging of concrete and other man-made structures.

MALÅ CX Control Unit

Pulse repetition frequency	100 kHz
Data output resolution	16 bits
Time stability	Better or equal than 60 ps
Sampling frequency	6-700 GHz
Acquisition mode	Distance/time/manual, grid measurements are controlled by remote controls on antenna/handle, with audio response
Time Window	0-70 ns
Power supply	External 12 V DC battery, AC/DC agg. Input 100-240 AC Output 13.2 V DC / 4.5 A
Operating time	6 hours
Charger	Quick charger, automatic charge cycle 100-240 V AC input
Charge time	3-5 h (80-100%)
Input device	Combined turn-push button
Screen	Transreflective 10.4" (CX11), weather resistant (IP 65)
Antenna compatibility	MALÅ High frequency series: 1.2 GHz, 1.2 GHz + EM, 1.6 GHz, 1.6 GHz + EM, 2.3 GHz
Dimension	410 x 210 x 55 mm + protruding details 40 mm
Weight	3.5 kg
Operating temperature	- 20°C to + 50°C (- 4°F to + 122°F)
Environmental	IP 65
Data download	USB 2.0
Data memory	1 GB



MALÅ High-Frequency (HF) Antennas

Centre frequency	1.2, 1.6 or 2.3 GHz
Bandwidth	> 100 %
Time window	> 50 ns
Repetition rate	100 kHz
EM option	50 Hz or 50/60 Hz sensors (sensitivity 300 uV, 14 bits) (1.2 and 1.6 GHz only)
Dimension	160 x 90 x 110 mm (1.6 GHz and 2.3 GHz) and 190 x 115 x 110 mm (1.2 GHz, 1.6 GHz + EM and 1.2 GHz + EM)
Weight	0.6 kg: 1.6 GHz and 2.3 GHz 1.0 kg: 1.2 GHz 1.2 kg: 1.6 GHz + EM and 1.2 GHz + EM
Cable length	4 m (can be customized)
Operating time	3 hours (with 12V battery)
Operating temperature	- 20° C to + 50° C
Control Unit	MALÅ CX or MALÅ ProEx control units
Data acquisition	MALÅ CX or MALÅ XV Monitor or other laptop with MALÅ GroundVision 2 software
Environmental Options	IP 65 MALÅ HF cart, single wheel encoder, Extension handle, 7 m extension cable, split box for tomography applications



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Guideline Geo is a world-leader in geophysics and geo-technology offering sensors, software, services and support necessary to map and visualize the subsurface. Guideline Geo operates in four international market areas: Infrastructure – examination at start-up and maintenance of infrastructure, Environment – survey of environmental risks and geological hazards, Water – mapping and survey of water supplies and Minerals – efficient exploration. Our offices and regional partners serve clients in 121 countries. The Guideline Geo AB share (GGEO) is listed on NGM Equity.

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