

LABORATORY: CNR-ISPC

NAME OF THE INSTRUMENT

Georadar structure scan

GENERAL DESCRIPTION:

The StructureScan Mini is all-in-one GPR system for application on monumental heritage and infrastructures. This handheld system allows locating rebar, conduits, post-tension cables, voids, cracks and the conservation state. Furthermore, can be used to determine concrete slab thickness in real-time.

TECHNICAL DETAILS:

The portable mini scan instrument is equipped with a 2.7 GHz antenna.



Figure: georadar structurescan

FURTHER INFORMATION:

- Leucci G., 2007, Ground Penetrating Radar: Un'introduzione per gli Archeologi; Aracne Editrice, Roma; ISBN: 978-88-548-0951-2.
- Leucci G., 2015, Geofisica Applicata all'Archeologia e ai Beni Monumentali. Dario Flaccovio Editore, Palermo, pp. 368. ISBN: 9788857905068
- Leucci G., 2019, Nondestructive Testing for Archaeology and Cultural Heritage: A practical guide and new perspective. Springer editore pp 217, ISBN 978-3-030-01898-6
- Leucci G., 2020, Advances in Geophysical Methods Applied to Forensic Investigations: New Developments in Acquisition and Data Analysis Methodologies. Springer editore, pp 200, ISBN 978-3-030-46241-3
- Giannino F., Leucci G., 2021. Electromagnetic Methods in Geophysics: Applications in GeoRadar, FDEM, TDEM, and AEM. Wiley, pp 352, ISBN: 978-1-119-77098-5

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