

RAMAC ProEX Control Unit

Professional Explorer (ProEx™) System Ground Penetrating Radar for Structural Investigations

The Professional Explorer (ProEx) System; a modular, full-range Ground Penetrating Radar (GPR) system designed to meet the needs of the advanced professional user. At the heart of this new system is the ProEx Control Unit. Designed on a completely new technical platform, the ProEx is the most versatile control unit we are now offering and replaces the World famous RAMAC/GPR CUII as the new high-end full range system.

GPR offers a practical, reliable and most importantly non-destructive solution for subsurface geophysical and geotechnical investigations. The ProEx is fully compatible with CUII's broad range of antennas and offers a flexible and versatile approach to de-tecting subsurface targets and geological layers accurately, efficiently and in real-time.

This modular design approach offers you a flexible and affordable choice to system configuration. You need only invest in what you need today; however, as your needs change, so can your GPR system.



Ethernet communications
100Mbit/s



Battery or external 12V supply



Antenna modules



Expansion unit





System Configuration:

The ProEx is a modular digital radar control unit with multi-channel functionality; the base unit comes standard with two hardware channels (4 data channels). This allows connection of two separate antennas for simultaneous data collection whilst also providing a third “virtual antenna”.

By adding optional expansion units, the system can be expanded to eight hardware channels (16 data channels) to operate up to eight individual antennas.

A choice of three antenna modules (coax, optical and high frequency) allows the user to connect any of our antenna in various configurations, for single, dual or multi-antenna operation. Thus enabling a wide range of advanced measurements to be carried out.

