



ULTRAVIEW WALL ANALYSER PR-1

Ultrafine Technology Ltd

A covert system for scanning walls up to 500mm thick

- Measures **wall thickness**
- Detects **hidden objects within wall**
- Shows objects immediately **behind wall**
- Determines best position for **Silent Drilling**
- Works with **all wall materials**

The System...

The **Ultraview Wall Analyser** works by transmitting radio waves into a wall. As the scanner is rolled across the wall, echoes are returned whenever there is a change in the medium through which the radio waves are passing (plaster to brick, brick to air, etc)

The system works with all wall materials, including brick, blockwork, studwork, stone etc

The Result...

Data processing converts the collected data into an image shown on a LCD screen giving information on wall thickness, wall layers, and any objects with in the wall such as electrical cables,

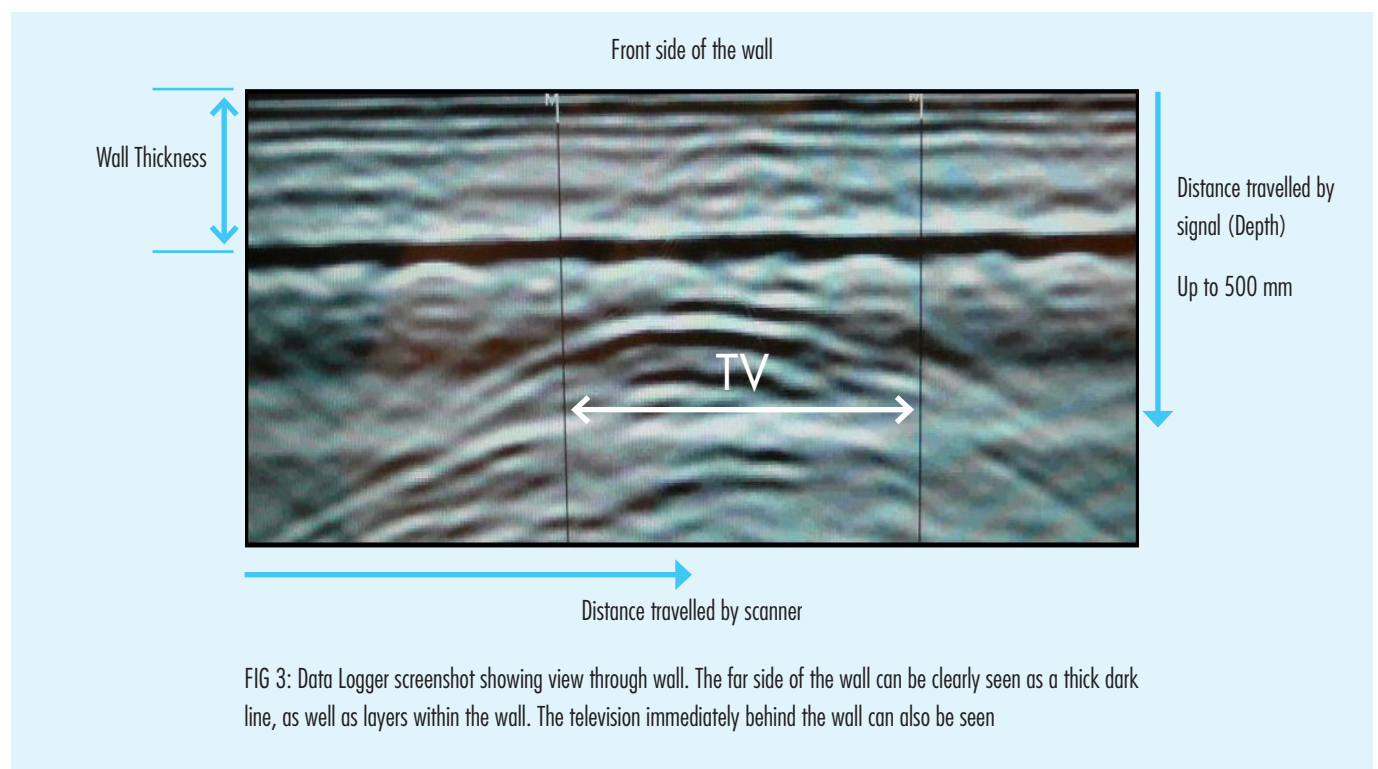
reinforcing bars and utility pipes. Information can also be obtained on the presence of objects immediately behind the wall. An example is shown in Figs 1-3.



FIG 1: Scanning the wall



FIG 2: Rear view of wall, showing wall mounted television



The Features...

- **Easy to use** – just run along the target wall area with the rubber wheeled Scanner and view the resulting image on the Data Logger screen
- **Silent & non invasive** – ideal for covert operations
- **Light weight** – compact – completely portable
- Runs for **several hours on battery** supplied
- **Dedicated software** integrated into robust Data Logger
- **Keyboard supplied** for note taking
- **Advanced technology** for high speed data collection and excellent resolution
- **CE marked** to comply with EMC regulations.
- Complete kit supplied in a **soft bag** with hard foam cut-outs



The Software...

- **Custom designed software** in the Data Logger allows you to record, replay, process and calibrate data
- **Data is automatically mapped** showing a greyscale image on the screen
- **Everything needed is included in the kit** no need for an additional laptop

The Training...

Although the PR-1 is easy to use, the key to its successful operation is the interpretation of the images displayed on the Data Logger.

Operational experience soon provides to the user the necessary skills needed to interpret the images. However, to speed up the learning process **Ultrafine offers one day's training free of charge** to introduce users to the system and its capabilities.

Different walls are scanned and great emphasis is placed on interpretation of results.

This training can also be incorporated into Ultrafine's other courses which include silent drilling and concealment techniques.



Standard Equipment

CODE	DESCRIPTION	QTY
PR-1-001	Ultraview Data Logger	1
PR-1-002	Hand Held Scanner	1
PR-1-003	Mini PS/2 Keyboard	1
PR-1-004	Battery Pack	2
PR-1-005	Battery Charger with world adaptors	1
PR-1-006	Scanner to Data Logger connecting cable	1
PR-1-007	Battery Pack to Data Logger connecting cable	1
PR-1-008	Ruler, Tape, & Pencil Set	1
PR-1-009	Transit / Storage Case	1



Technical Specifications

Data Logger	Scanner	Battery Pack + Charger	Miscellaneous Accessories	Transit Case
<p>Robust IP66 weatherproof housing with built in: 6 1/2" LCD screen Ultraview Software Hard drive for data recording Software control buttons</p> <p>Inputs:</p> <ul style="list-style-type: none"> • Socket for 12V PSU • Socket for Scanner Cable • Socket for PS/2 Keyboard <p>Outputs:</p> <ul style="list-style-type: none"> • Socket for Ethernet cable (Data download) • Socket—COM port (Factory presets) <p>Size [cm]: 25.5 x 22 x 9.5 Weight [Kg]: 1.65</p>	<p>Hand held 4 wheeled Scanner with button on handle for producing on screen marker lines LED Light for fast speed warning and low battery indicator Waterproof to IP66</p> <p>Outputs: LEMO socket for connecting cable to Data Logger</p> <p>Size [cm]: 23 x 15 x 5.5 Weight [kg]: 1.60</p>	<p>Battery: 12V 5 Ah Ni-Cad Pack in Cordura Case Note: Standard kit includes one spare battery Size [cm]: 16 x 19 x 5.5 Weight [kg]: 1.85</p> <p>Charger: Charger with charge status LEDs & rapid discharge button Input 100V-240V Output 48V-12V</p>	<p>Consumables: Tape measure Coloured pencils Ruler Masking tapes</p> <p>PS/2 mini Keyboard: Mini Keyboard for note taking in the Data Logger.</p> <p>Size [cm]: 28.2 x 13.2 x 2.6</p>	<p>Soft bag with hard foam inserts with straps for carrying on the shoulder or as a back pack</p> <p>NB: A wheeled pelicase is also available to accommodate the PR-1 Soft Bag and other accessories such as our Concealment Kit or the user's own equipment</p> <p>Complete Kit in a Soft Bag Size [cm]: 490 x 390 x 190 Weight [kg]: 9.95</p>

About Us



Ultrafine Technology is the UK's leading independent supplier of endoscopes and video systems.

Based in Brentford, West London close to Heathrow Airport, Ultrafine Technology is registered to Quality Standard BS EN ISO 9001. The company

was established in 1985 and has built up an enviable reputation for supplying innovative solutions to remote visual inspection problems in industrial, scientific and law enforcement fields.

Ultrafine supplies Governments and Law Enforcement organisations in over 30 countries with the highest quality products and training for remote visual search and covert surveillance.



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