

# Proceq GPR Live

PASSION. INNOVATION. EXCELLENCE



# Proceq GPR Live

## Portable ground penetrating radar solution

The most innovative ultra wideband portable GPR for concrete testing.

Proceq GPR Live is the beginning of a new area in NDT. The outstanding and patented ultra wideband technology combined with a compact wireless scan car delivers unmatched industry performance. Just connect to your iPad and detect objects and backwalls with an unseen clarity.



### SUPERIOR DETECTION

Pioneering ultra wideband GPR technology



### INTUITIVE

Powerful iOS user interface for easy concrete assessment



### FAST

Secure Proceq Live webtool to share your measurements in real-time

## APPLICATIONS

- Quality assessment and uniformity
- Conformity check of new buildings
- Investigation on unknown structures
- Locate rebars before drilling, cutting and coring
- Spot check of cover and rebar size
- Complete imaging of rebar geometry
- Thickness measurement from a single side



## ACCESSORIES

- Device tablet holder
- Telescopic rod with tablet holder
- Proceq Grid Paper - 60 x 60 / 5cm (set of 5)
- Proceq Grid Paper - 60 x 60 / 10cm (set of 5)
- Proceq Grid Paper - 24 x 24 / 2in (set of 5)
- Proceq Grid Paper - 24 x 24 / 4in (set of 5)
- Battery pack 8X AA NiMH
- Chalk (set of 10)

# Compact Probe Design

The compact Proceq GPR Live is built into a lightweight but still robust housing. It is controlled by four-wheel drive and has an 8mm clearance from the ground, ensuring best measurement results even when used in challenging environments. Additionally, the probe operates with standard chargeable AA batteries to guarantee smooth air travel and easy battery replacements worldwide.



## VERSATILE AND POWERFUL

The Swiss Made Proceq GPR Live is wirelessly connected with an iOS app to an Apple® iPad. Thus, the Proceq GPR Live allows instant imaging on a high-resolution touchscreen of up to 12.9 inches (iPad Pro) which makes it the largest GPR display in the industry.

The Proceq Live can connect to wifi, allowing the analysis to be done on-site and from the site this data can be immediately shared. It can be fed back to the office or an expert can be brought into the collaboration mode if certain results are not clear.

## SUPERIOR HANDLING

Using Ground Penetrating Technology can be time consuming and cumbersome, but these problems have been solved with the Proceq GPR Live Design.

The iPad tablet can be attached using the proprietary connector in any position around the tablet in order to meet the requirements of any particular scan that needs to be carried out.

The tablet can also be mounted to the chest leaving both hands free because the scanner is so light weight.

Lastly, for over head applications there is also a telescopic rod solution. The rod is made out of carbon fibre making it extremely light weight and features a multi degree freedom head on top so the probe can go overhead, down below and navigate any corner easily, without any effort.

Because of this superior handling, this makes Proceq a one man operation, reducing the number of workers needed to operate the device and cutting down the time it takes to do a scan.



## FEATURES

DISPLAY	Any compatible Apple® iPad (iOS 10 and higher)
SCREEN SIZE	7.9" to 12.9" (depending on the iPad model)
STORAGE SPACE	Up to 512 GB (depending on the iPad model)
IPAD WEIGHT	304g to 692g (depending on the iPad model)
CONNECTION	Wi-Fi to iOS tablet, USB port for Wi-Fi module
MEASUREMENT MODES	Line Scan, Area Scan, Review modes, Non-Migrated Scan, Migrated "Heatmap", Timeslice/Depthslice, On-site 3D View (Pro and Unlimited versions only)
REPORTING SOFTWARE	Export options (Pro and Unlimited versions only): Measurement (scan), Snapshot (jpg), Table (csv)



# Ultra Wideband

## PIONEERING ULTRA WIDEBAND TECHNOLOGY

The new Proceq GPR Live comes with the unique Continuous Wave Stepped Frequency technology that provides maximum penetration depth and maximum resolution, delivering the widest frequency spectrum in the market. All applications typically addressed with antennas in the range of 0.2 to 4.0 GHz can now be covered with one single device - the Proceq GPR Live. No need to buy and switch to a different antenna for every testing location. Current GPR solutions, cover only one frequency which allows to scan for only specific penetration depths and such solutions have limitations in terms of detectable object size unlike the Proceq GPR Live.

### PROCEQ GPR LIVE FREQUENCY



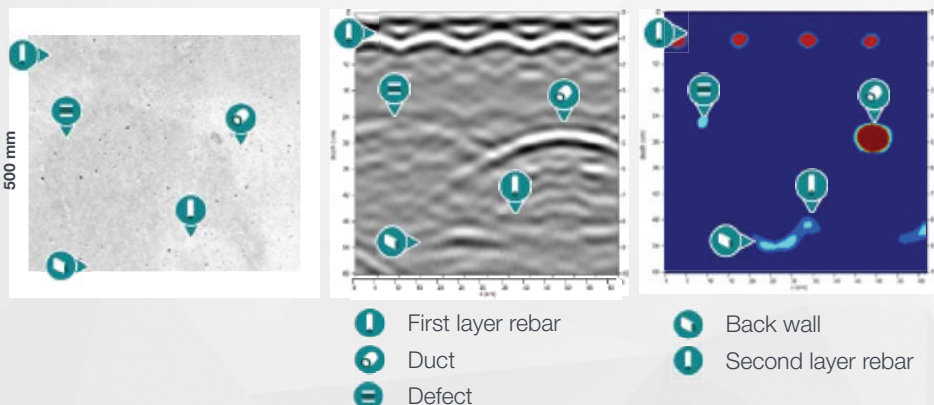
## UN-MATCHED CONNECTIVITY

The powerful ecosystem of the Proceq GPR Live, the wireless scan car together with an Apple® iPad and the Proceq Live webtool enables real-time data analysis and sharing. Industry 4.0 is now a reality!

### TECHNICAL FEATURES

MEASURING PRINCIPLE	Stepped Frequency Continuous Wave GPR
FREQUENCY RANGE	0.2 GHz to 4.0 GHz
MAX PEAK POWER	-10 dB
MAX DEPTH RANGE (DRY CONCRETE)	70 cm / 28 inc

## SUPERIOR PROCEQ GPR DETECTION



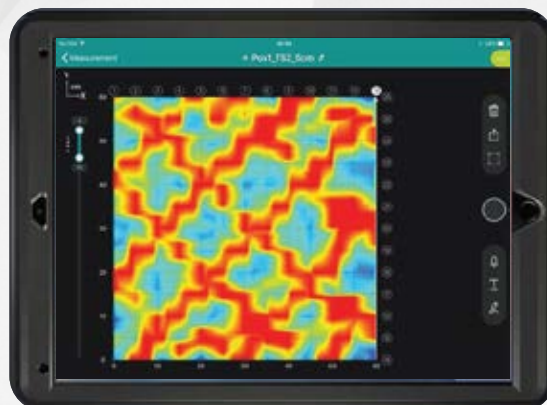
When performing a concrete scan the ideal image to receive from a scan of an area would clearly show all objects, such as rebars, ducts, defects and the back wall ensuring nothing is missed out. At the moment other solutions on the market show images where a lot of objects have been missed in the scan. But with the Proceq GPR Live it can detect all of the objects, it doesn't miss a thing because of the Ultra Wideband frequency technology.

# User Interface

The Software and Interface is easy to use, easy to learn and easy to attempt. It has innovative hardware, advanced software and a user friendly interface. The Proceq GPR Live is just as friendly to use as a camera. All that needs to be done is to press the large button to start the real time scan and get the results.

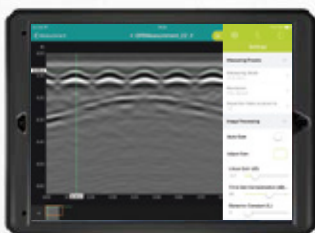
## IMAGING TO SIMPLIFY DAILY OPERATION

The Proceq GPR Live iOS app is designed to simplify the entire concrete assessment process. As an example, the integrated wizard assists you with sound feedback during area scans. Another great feature which makes the life of every operator easier is the intuitive object identification marker.



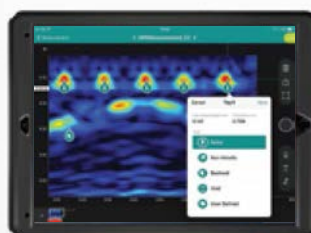
## AFTER THE SCAN IS PERFORMED THE RESULTS CAN BE SHOWN IN MULTIPLE DIFFERENT WAYS:

### STANDARD NON-MIGRATED SCAN



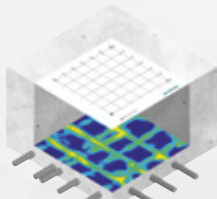
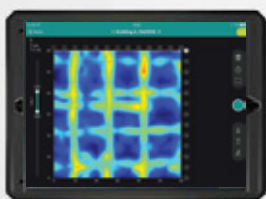
Shows an image that will present when rebars are detected

### INTUITIVE MIGRATED "HEATMAP"



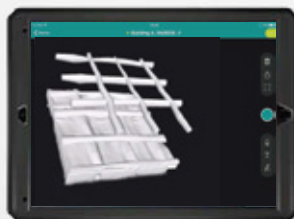
This is where defects and objects are clearly shown on the 2D imaging

### DEPTHSlice/TIMEslice



Using the area scan, the function of timeslice and depth slice can be utilised. Allowing the user to slide through different depths to see what it looks like on each level

### ON-SITE 3D VIEW



The Proceq GPR Live also has a 3D view to enable users to understand the scanned underground structure easily and more intuitively.

### LOG BOOK



The log book function records all the activities associated such as measurements, it can add GPS location, pictures of the object or even voice notes, it provides 100% traceability and is extremely useful for reporting.



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