

# See deeper into concrete

Up to 1.5 meters



**Proceq GP8000 GPR**  
GP app version 5.3  
**Available now!**

## See through concrete up to 150 cm/60 inch.

Until now, it was only possible to detect objects in concrete up to 80 cm. Thanks to our ever-evolving software and powerful sensor, you can now see up to 150 cm in good conditions, with only one antenna.

## New Adjustable Time Window.

Obliterate the limits of a fixed time window with the new Adjustable Time Window for Proceq GP8000.

- Focus on both shallow and deep targets in one scan
- Save time and deliver better results
- See what's behind the concrete





# Unlock the Power of the New Adjustable Time Window for Shallow and Thick Concrete Applications

Open up a new world of possibilities for GPR concrete scanning up to 1.5 meters

## Challenge

On traditional handheld GPRs, the time window is frozen, which only allows you to view objects clearly at a specific depth in the concrete.

A longer time window might capture deeper objects, but it can waste time on processing and miss the focus on shallow objects. On the other hand, a shorter time window could completely miss the deeper targets.

Either way, you only see what you see. If you want to see something more, you would traditionally have to rescan or buy many other antennas.

And what about when you need to see what is behind the concrete, beyond the maximum 80cm depth? A fixed time window makes it almost impossible to see clearly objects at far deeper depths, especially in areas with high density rebars or wet material.

To put it simply, working on a fixed time window is limiting your results.

## Solution

Luckily, with the Proceq GP8000 GPR, the limitations of a fixed time window are no longer an issue. Now, you can scan from **55 cm / 20-inch shallow layers, to 150 cm / 60-inch-deep** layers! And you only need to use **ONE antenna**. This is totally unheard of for handheld GPRs.

The beauty of the adjustable time window on the GP8000 GPR is that, without needing to buy another antenna and carry 2 or 3 antennas with you, you can achieve both shallow focus on small objects AND high-resolution focus on deeper objects.

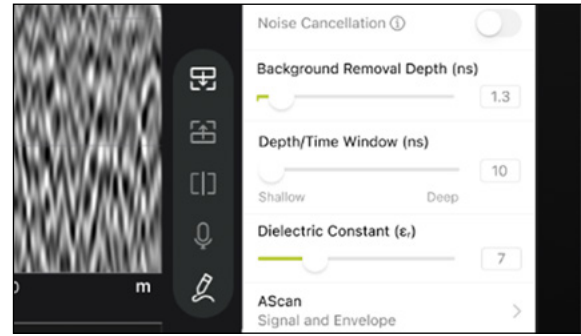
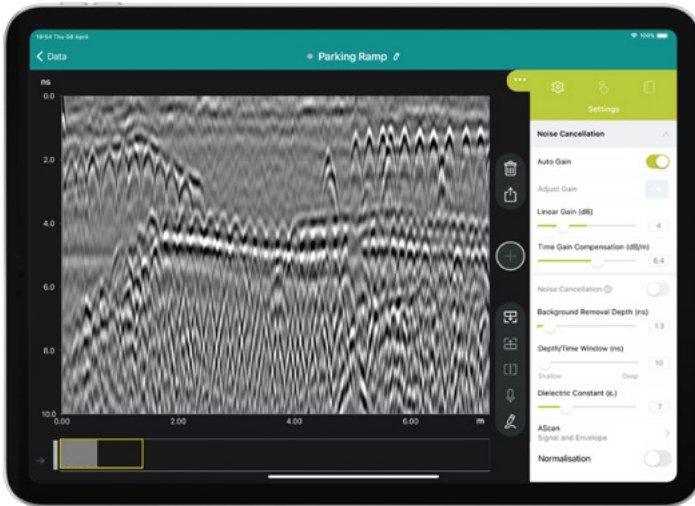
By detecting objects deeper, you unveil a new world for concrete inspection.

Marking jobs become better quality and faster as you can see everything clearly from the first scan with no need to rescan.

For structural assessment, the new capability helps you to deliver better results, with better quality control, and significant time saved by knowing what is behind the concrete immediately.

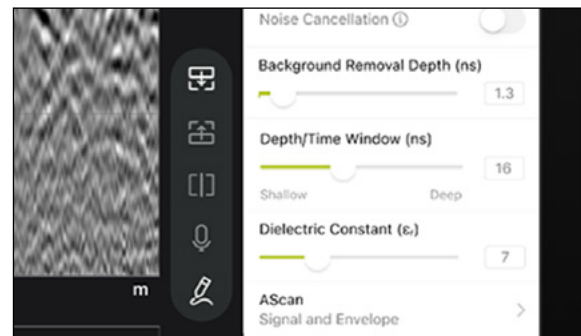
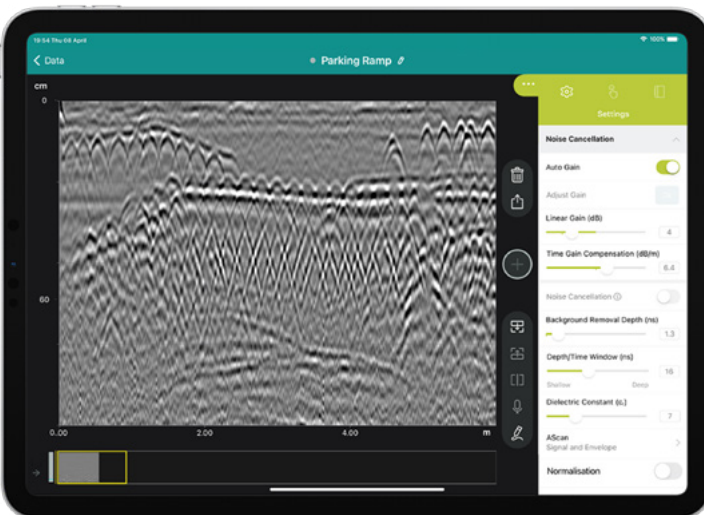
# Recap

To see small, shallow objects in concrete, reduce the 'Depth/Time Window' as shown below.



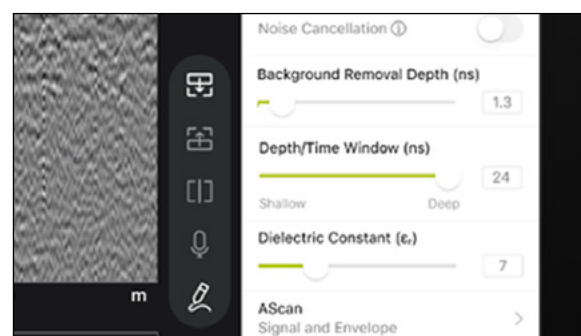
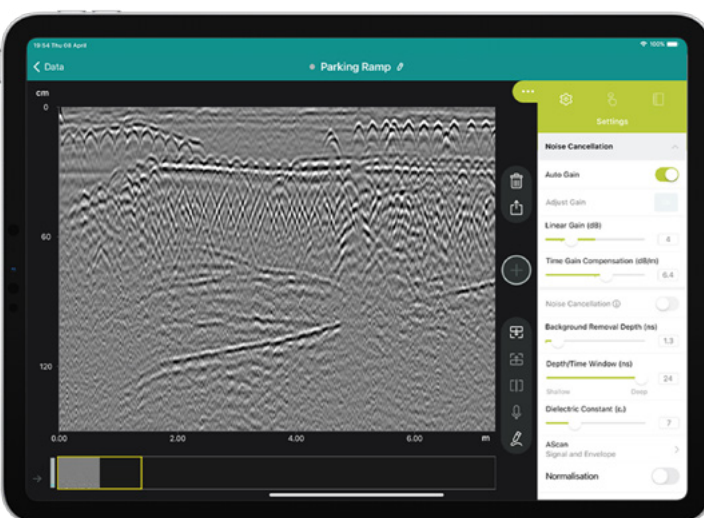
Depth/Time Window 10 (ns)

Increase the time/depth window to 16 ns to detect objects in the deeper layers of concrete.



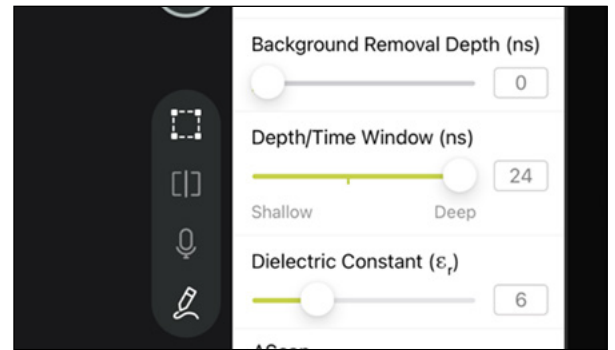
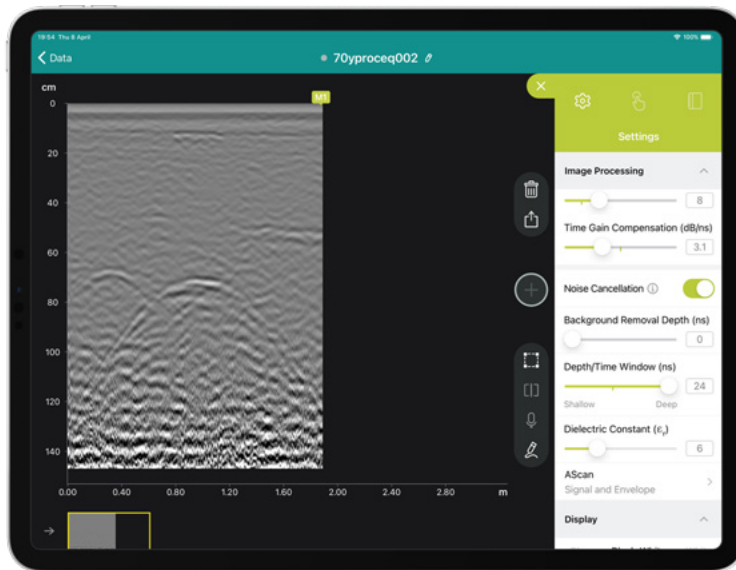
Depth/Time Window 16 (ns)

To see behind all the layers of concrete, and detect larger objects beyond the concrete, increase the 'Depth/Time Window' as shown below.



Depth/Time Window 24 (ns)

Another case here is the possibility to see the presence of a pipe confirmed by a complete hyperbola unveiled thanks to a bigger time window:



Deep visible targets appearing thanks to the larger Depth/Time Window 24 (ns)

*With an adjustable time window, you can see SO MUCH MORE and investigate concrete slabs, tunnels and pavements with ease.*

# Available Now

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