



1

Click the collar onto the PRO. Remove a paper tab from the sensor tray (starting at back left shown in fig 2).



2

With the PRO display facing away from you, firmly click a sensor onto the collar.



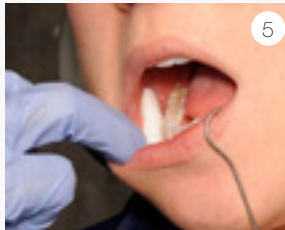
3

Connect the lip hook cable to the PRO. Now apply the cross-infection barrier sleeve over the device.



4

Connect the lip hook to the cable.



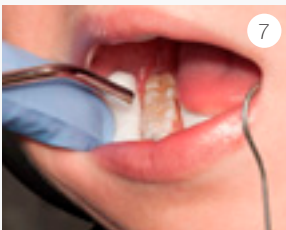
5

Isolate the quadrant with cotton rolls. Place hook on lip.



6

Turn PRO on. Press and hold for 1 second.



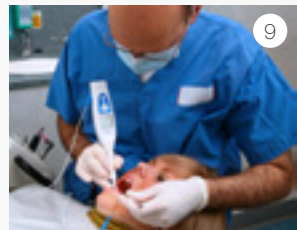
7

Air-dry the tooth to remove pooled saliva (the tooth may require air drying again after 2 minutes).



8

Press "ENTER" to start measurement (the blue LED will flash).



9

Hold like other dental instruments. Maintain sensor position until measurement is complete.

Visit www.cariescan.com for a video tutorial on how to use the PRO.
For more detailed information please review the User Instructions.

Questions? North America call: 877-580-7226 All other countries call: +44 1382 560910

1. **Where can the CarieScan PRO be used?**

The CarieScan PRO is used to detect and monitor caries on occlusal surfaces as well as smooth buccal and lingual surfaces on posterior teeth. The PRO can measure any natural enamel tooth surface that is accessible.

2. **Preparing the tooth**

As with visual examination, the PRO requires a clean, dry tooth to provide accurate results. The tooth should be cleaned, removing all plaque using standard techniques. Drying the tooth: Isolate the tooth and air dry the surface to remove pooled saliva before measuring.

3. **Proper technique for using the CarieScan PRO**

It is essential to have stable contact with natural enamel tooth structure to obtain accurate results. Hold the device as you would a dental handpiece and use a finger rest to ensure that the sensor does not move while the measurement is in progress. For occlusal surfaces, the tip ends should be pressed into pits and fissures with the same pressure you would use to write with a pen. For smooth surfaces, the tips should be placed laterally against the tooth.

4. **Things to consider to ensure that you get consistent readings**

- Ensure that the collar and sensor are properly connected and that the sensor tip is in good condition.
- For repeat measurements, ensure that precisely the same position on the tooth surface been chosen. Moving the sensor tip even as little as 1mm can produce substantial changes in observed readings.
- Repeat readings can vary up to +/- 5 digits.
- Teeth that are not fully dried may have residual moisture present. If as a result the sensor becomes moist it will be necessary to dry. Blow air through the fibres of the tip.
- Ensure that the tooth has been correctly prepared, see 2.
- Perform a system test to ensure that all parts of the system are working. Ensure that the cable plug is pushed fully into the socket on the PRO.

5. **What to do if you keep getting readings of 100**

If the tooth has not been prepared correctly you may get a reading of 100. Check to make sure the measurement site on the tooth is dry and that the sensor tip is moisture free. See also 2.

6. **What to do if you get a result other than what you expect**

- Ensure that the measurement site is clean and dry and the tip is well positioned.
- Ensure your sensor is moisture free by air drying the stainless steel tip for 5 seconds.
- Compare results with clinical visual and radio-graphic information if appropriate.
- Ensure that teeth have not become dehydrated (extended prophylaxis).
- See also 2 and 4.

7. **What to do if your CarieScan PRO doesn't give a result**

As part of your daily routine, perform a system test to confirm the cable is OK. When measuring check that the blue light is flashing. If so, and you still can't get a result then make sure the lip hook is in contact with the lip, that the tooth is not dehydrated and that the tip is on natural enamel tooth structure. Try a different tooth to see if the issue persists.

8. **What to do if the code "FAIL" appears when you do a system test**

Check that the lip hook cable is properly attached to both the adaptor and the PRO. If the "FAIL" result is still displayed, your cable may be damaged. Please contact your distributor for a new cable.