



ON TEST: CHRONO TEST

# GOING WITH THE PRO

RRP  
**£179.00**

Phill Price tests the simply remarkable Skan Pro 1 Series 3 Diamond chrono

A key part of my work involves assessing the performance of airguns and pellets and the primary tool for this is a chronograph. Described simply, they are machines that have two light sensors and when a pellet flies past the first one it starts a clock and as it passes the second one, that stops the clock. The distance between the two sensors is known and a calculation will tell you how fast the pellet was going. That's a massively simplified description, but it covers the basics.

The problem I've always faced with the chronographs I've owned is

light. Most are designed to be used outdoors and of course the light varies from a bright sunny day to dark and cloudy and I've often found

know many other people have faced the same problem.

Which is why I'm happy to be testing the Skan Pro 1 Series 3

**"IT'S USED BY MANUFACTURERS AND POLICE FORCES BECAUSE IT'S TOTALLY RELIABLE"**

chronos to be very frustrating, working perfectly one minute and playing up the next. I've experimented with supplying light to the sensors but this has always failed and I

Diamond chrono. It has a reputation beyond reproach, it's used by many airgun manufacturers and Police forces because it's totally reliable, and although it has many clever features, above all else it has been shown to be accurate day in and day out.

Part of this success is because the sensors are built into a 'shoot tube' and have their own infra-red light source so can be used indoors 24/7 whatever the weather, and that for me is a huge advantage. Light sensors are delicate things and can be affected in many ways, not all of which are positive. Obviously, if your chrono gave you an incorrect reading, you could break the law as it relates to the maximum power you're allowed to have in an unlicensed air rifle.

Unlike some chronos, the Skan is designed to be used on a test bench for measuring muzzle energy only. Please don't be tempted to place it down range to measure residual energy; that's not what it was designed for.

This is a precision instrument designed to work in controlled conditions, not out in the elements. On that same subject, it's wise to keep it clean and dry as moisture collecting inside the casing could cause harm, and if your workshop is often full of dust, either

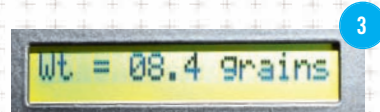
**WHY A CHRONO?**  
First and foremost, it will help you remain on the right side of the law. Second, it's the only reliable way to monitor your airgun's performance. Third - just get a good one, OK?



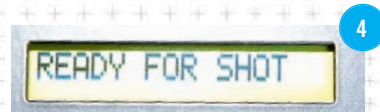
1  
One the unit is powered up, the LCD on the front reminds you that the muzzle of your rifle need to be 10 inches away from the opening of the shoot tube. If you press any key it runs a self-check and if the number that reads out is between 447 and 450.99 you can be sure that it is correctly calibrated.



2  
Then you press 'YES/ENTER' and the screen reads 'continuous' mode or by pressing the 'up' arrow you can enter the storage options



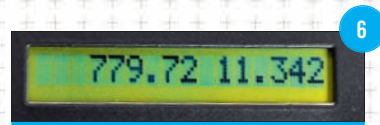
3  
Pressing 'YES/ENTER' again displays the weight of the pellet you want the machine to base its energy calculations on. Press the up or down arrow to select the weight you need.



4  
Press 'YES/ENTER' again and the screen will read 'READY FOR SHOT'.



5  
xxx xxxxxxxx xx xxxxxxxx xxxxxxxx  
xxxx xxxxxxxxxxxxxxxxxxxx



6  
As you carefully shoot through the centre of the shoot tube, the screen will read out two numbers. The first is the velocity in feet per second and the second is the rifle's output energy in foot pounds.



7  
As you fire another shot the new data automatically displayed. If you don't shoot correctly through both sensors the screen will read 'MISS MISS MISS'.



The Skan unit is neat, clean and simple to use.